



# Appendix for test report

## 1Appendix\_A: Effective (Isotropic) Radiated Power Output Data

### Part I - Test Results

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
| BAND5          | LTE/TM1   | 1.4            | LCH          | RB1#0   | 23.59         | 19.64     | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 23.61         | 19.66     | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 23.57         | 19.62     | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 23.6          | 19.65     | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 23.66         | 19.71     | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 23.59         | 19.64     | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 22.75         | 18.8      | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 23.46         | 19.51     | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 23.67         | 19.72     | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 23.59         | 19.64     | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 23.47         | 19.52     | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 23.63         | 19.68     | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 23.54         | 19.59     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB6#0   | 22.6          | 18.65     | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.4          | 19.45     | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 23.44         | 19.49     | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 23.39         | 19.44     | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 23.38         | 19.43     | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 23.52         | 19.57     | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 23.43         | 19.48     | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 22.34         | 18.39     | 38.5        | PASS    |
|                |           | 3              | LCH          | RB1#0   | 23.58         | 19.63     | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 23.64         | 19.69     | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 23.57         | 19.62     | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 22.7          | 18.75     | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 22.71         | 18.76     | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 22.6          | 18.65     | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 22.7          | 18.75     | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 23.28         | 19.33     | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 23.62         | 19.67     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB1#14  | 23.6          | 19.65     | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 22.54         | 18.59     | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 22.66         | 18.71     | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 22.69         | 18.74     | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 22.63         | 18.68     | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.2          | 19.25     | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 23.63         | 19.68     | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 23.58         | 19.63     | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 22.38         | 18.43     | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 22.49         | 18.54     | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 22.46         | 18.51     | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 22.36         | 18.41     | 38.5        | PASS    |
|                |           | 5              | LCH          | RB1#0   | 23.69         | 19.74     | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 23.71         | 19.76     | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 23.55         | 19.6      | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 22.71         | 18.76     | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 22.58         | 18.63     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB12#13 | 22.52         | 18.57     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.65         | 18.7      | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 23.38         | 19.43     | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 23.53         | 19.58     | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 23.34         | 19.39     | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 22.51         | 18.56     | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 22.62         | 18.67     | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 22.53         | 18.58     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.54         | 18.59     | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.21         | 19.26     | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 23.2          | 19.25     | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 23.2          | 19.25     | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 22.36         | 18.41     | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 22.45         | 18.5      | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 22.49         | 18.54     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.44         | 18.49     | 38.5        | PASS    |
|                |           | 10             | LCH          | RB1#0   | 23.18         | 19.23     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB1#25  | 23.67         | 19.72     | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 23.85         | 19.9      | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.71         | 18.76     | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 22.75         | 18.8      | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 22.64         | 18.69     | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 22.59         | 18.64     | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 23.44         | 19.49     | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 23.78         | 19.83     | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 23.49         | 19.54     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.62         | 18.67     | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 22.64         | 18.69     | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 22.58         | 18.63     | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 22.51         | 18.56     | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 23.37         | 19.42     | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 23.67         | 19.72     | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 23.46         | 19.51     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 22.51         | 18.56     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB25#13 | 22.6          | 18.65     | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 22.58         | 18.63     | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 22.45         | 18.5      | 38.5        | PASS    |
|                | LTE/TM2   | 1.4            | LCH          | RB1#0   | 22.08         | 18.13     | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 21.99         | 18.04     | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 22.26         | 18.31     | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 22.51         | 18.56     | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 22.47         | 18.52     | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 22.39         | 18.44     | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 21.76         | 17.81     | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 22.15         | 18.2      | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 22.31         | 18.36     | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 22.45         | 18.5      | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 22.4          | 18.45     | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 22.55         | 18.6      | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 22.55         | 18.6      | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 21.54         | 17.59     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                | HCH          | RB1#0   | 21.67         | 17.72     | 38.5        | PASS    |
|                |           |                |              | RB1#3   | 22.13         | 18.18     | 38.5        | PASS    |
|                |           |                |              | RB1#5   | 21.9          | 17.95     | 38.5        | PASS    |
|                |           |                |              | RB3#0   | 22.23         | 18.28     | 38.5        | PASS    |
|                |           |                |              | RB3#2   | 22.4          | 18.45     | 38.5        | PASS    |
|                |           |                |              | RB3#3   | 22.7          | 18.75     | 38.5        | PASS    |
|                |           |                |              | RB6#0   | 21.8          | 17.85     | 38.5        | PASS    |
|                |           | 3              | LCH          | RB1#0   | 22.65         | 18.7      | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 22.72         | 18.77     | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 22.38         | 18.43     | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 21.52         | 17.57     | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 21.44         | 17.49     | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 21.44         | 17.49     | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 21.57         | 17.62     | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 22.62         | 18.67     | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 22.77         | 18.82     | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 22.4          | 18.45     | 38.5        | PASS    |



| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB8#0   | 21.42         | 17.47     | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 21.4          | 17.45     | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 21.42         | 17.47     | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 21.35         | 17.4      | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 21.65         | 17.7      | 38.5        | PASS    |
|                |           |                |              | RB1#7   | 22.65         | 18.7      | 38.5        | PASS    |
|                |           |                |              | RB1#14  | 22.19         | 18.24     | 38.5        | PASS    |
|                |           |                |              | RB8#0   | 21.45         | 17.5      | 38.5        | PASS    |
|                |           |                |              | RB8#4   | 21.18         | 17.23     | 38.5        | PASS    |
|                |           |                |              | RB8#7   | 21.2          | 17.25     | 38.5        | PASS    |
|                |           |                |              | RB15#0  | 21.17         | 17.22     | 38.5        | PASS    |
|                |           | 5              | LCH          | RB1#0   | 22.01         | 18.06     | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 21.93         | 17.98     | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 22.17         | 18.22     | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 21.49         | 17.54     | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 21.42         | 17.47     | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 21.48         | 17.53     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB25#0  | 21.61         | 17.66     | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 21.91         | 17.96     | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 22.08         | 18.13     | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 21.8          | 17.85     | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 21.12         | 17.17     | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 21.2          | 17.25     | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 21.22         | 17.27     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.37         | 17.42     | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 22.48         | 18.53     | 38.5        | PASS    |
|                |           |                |              | RB1#13  | 22.26         | 18.31     | 38.5        | PASS    |
|                |           |                |              | RB1#24  | 22.4          | 18.45     | 38.5        | PASS    |
|                |           |                |              | RB12#0  | 21.22         | 17.27     | 38.5        | PASS    |
|                |           |                |              | RB12#6  | 21.3          | 17.35     | 38.5        | PASS    |
|                |           |                |              | RB12#13 | 21.52         | 17.57     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.35         | 17.4      | 38.5        | PASS    |
|                |           | 10             | LCH          | RB1#0   | 22.58         | 18.63     | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 23.09         | 19.14     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB1#49  | 22.46         | 18.51     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.47         | 17.52     | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 21.63         | 17.68     | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 21.69         | 17.74     | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 21.54         | 17.59     | 38.5        | PASS    |
|                |           |                | MCH          | RB1#0   | 22.03         | 18.08     | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 22.77         | 18.82     | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 21.99         | 18.04     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.69         | 17.74     | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 21.69         | 17.74     | 38.5        | PASS    |
|                |           |                |              | RB25#25 | 21.64         | 17.69     | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 21.6          | 17.65     | 38.5        | PASS    |
|                |           |                | HCH          | RB1#0   | 22.35         | 18.4      | 38.5        | PASS    |
|                |           |                |              | RB1#25  | 22.41         | 18.46     | 38.5        | PASS    |
|                |           |                |              | RB1#49  | 22.11         | 18.16     | 38.5        | PASS    |
|                |           |                |              | RB25#0  | 21.38         | 17.43     | 38.5        | PASS    |
|                |           |                |              | RB25#13 | 21.48         | 17.53     | 38.5        | PASS    |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test Channel | Test RB | Measured[dBm] | ERP [dBm] | Limit [dBm] | Verdict |
|----------------|-----------|----------------|--------------|---------|---------------|-----------|-------------|---------|
|                |           |                |              | RB25#25 | 21.46         | 17.51     | 38.5        | PASS    |
|                |           |                |              | RB50#0  | 21.31         | 17.36     | 38.5        | PASS    |

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP = Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$

$$\text{SET VBW} \geq 3 * \text{RBW}$$

$$\text{SET Sweep time} = \text{auto} - \text{couple.}$$

Detector: RMS

## 2Appendix\_B: Peak-to-Average Ratio

### Part I - Test Results

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
| BAND5              | LTE/TM1   | 1.4                  | LCH          | RB1#0   | 3.82         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 3.78         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 3.86         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.22         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.18         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.24         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.11         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.21         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.28         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.43         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.33         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.05         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 3.9          | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 3.87         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 3.83         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 4.05         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.14         | 13         | PASS    |
|                    |           | 3                    | LCH          | RB1#0   | 3.94         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 3.98         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.14         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 4.82         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 4.75         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 4.83         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.13         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.29         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.15         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB1#14  | 4.19         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 4.9          | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.64         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.18         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 3.84         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 3.71         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 4.69         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 4.7          | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 5.4          | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 3.93         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.04         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.13         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 4.76         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.7          | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.86         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.18         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.23         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.08         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.17         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 4.82         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.75         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.38         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.25         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.04         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.02         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 4.79         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 4.67         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.43         | 13         | PASS    |
|                    |           | 10                   | LCH          | RB1#0   | 4.29         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.17         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.23         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.91         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 4.93         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB50#0  | 5.39         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 4.39         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.31         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.2          | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 4.9          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.18         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.24         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.07         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 3.91         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 4.73         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 4.8          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 5.86         | 13         | PASS    |
|                    | LTE/TM2   | 1.4                  | LCH          | RB1#0   | 4.92         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.94         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.96         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.88         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.78         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.25         | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 5.2          | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 5.1          | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 5.03         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5.19         | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 5.96         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.9          | 13         | PASS    |
|                    |           |                      |              | RB1#3   | 4.45         | 13         | PASS    |
|                    |           |                      |              | RB1#5   | 4.44         | 13         | PASS    |
|                    |           |                      |              | RB3#0   | 4.92         | 13         | PASS    |
|                    |           |                      |              | RB3#2   | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB3#3   | 5            | 13         | PASS    |
|                    |           |                      |              | RB6#0   | 6.11         | 13         | PASS    |
|                    |           | 3                    | LCH          | RB1#0   | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.72         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5.04         | 13         | PASS    |

| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           |                      |              | RB8#0   | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.64         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.33         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.94         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 5            | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.67         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.73         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.23         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 5.11         | 13         | PASS    |
|                    |           |                      |              | RB1#7   | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB1#14  | 4.81         | 13         | PASS    |
|                    |           |                      |              | RB8#0   | 5.71         | 13         | PASS    |
|                    |           |                      |              | RB8#4   | 5.59         | 13         | PASS    |
|                    |           |                      |              | RB8#7   | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB15#0  | 6.05         | 13         | PASS    |
|                    |           | 5                    | LCH          | RB1#0   | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.23         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.28         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.7          | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.62         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.26         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.31         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 5.18         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 5.25         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.74         | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.76         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.78         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.63         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.84         | 13         | PASS    |
|                    |           |                      |              | RB1#13  | 4.77         | 13         | PASS    |
|                    |           |                      |              | RB1#24  | 4.74         | 13         | PASS    |
|                    |           |                      |              | RB12#0  | 5.7          | 13         | PASS    |
|                    |           |                      |              | RB12#6  | 5.57         | 13         | PASS    |
|                    |           |                      |              | RB12#13 | 5.65         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 6.37         | 13         | PASS    |



| Test Band(For LTE) | Test Mode | Test Bandwidth (MHz) | Test Channel | Test RB | Measured[dB] | Limit [dB] | Verdict |
|--------------------|-----------|----------------------|--------------|---------|--------------|------------|---------|
|                    |           | 10                   | LCH          | RB1#0   | 5.3          | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.45         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.52         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.86         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.84         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 6.05         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.68         | 13         | PASS    |
|                    |           |                      | MCH          | RB1#0   | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 5.16         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 5.37         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.69         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.8          | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.21         | 13         | PASS    |
|                    |           |                      | HCH          | RB1#0   | 4.87         | 13         | PASS    |
|                    |           |                      |              | RB1#25  | 4.64         | 13         | PASS    |
|                    |           |                      |              | RB1#49  | 4.58         | 13         | PASS    |
|                    |           |                      |              | RB25#0  | 5.85         | 13         | PASS    |
|                    |           |                      |              | RB25#13 | 5.72         | 13         | PASS    |
|                    |           |                      |              | RB25#25 | 5.77         | 13         | PASS    |
|                    |           |                      |              | RB50#0  | 6.62         | 13         | PASS    |

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

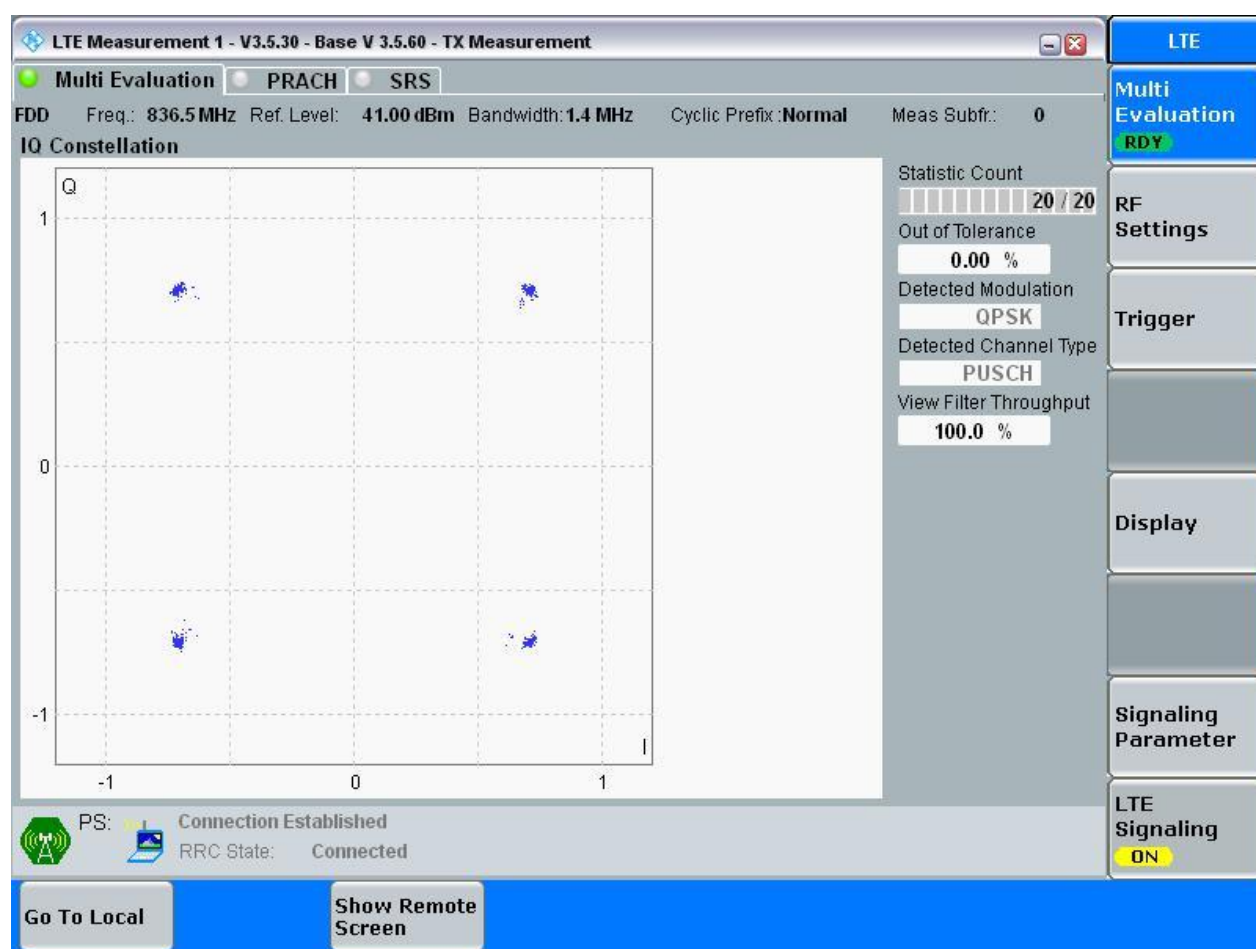
##### 3.1.1 Test Band = BAND5

##### 3.1.1.1 Test Mode = LTE/TM1

##### 3.1.1.1.1 Test Bandwidth = 1.4

##### 3.1.1.1.1.1 Test Channel = MCH

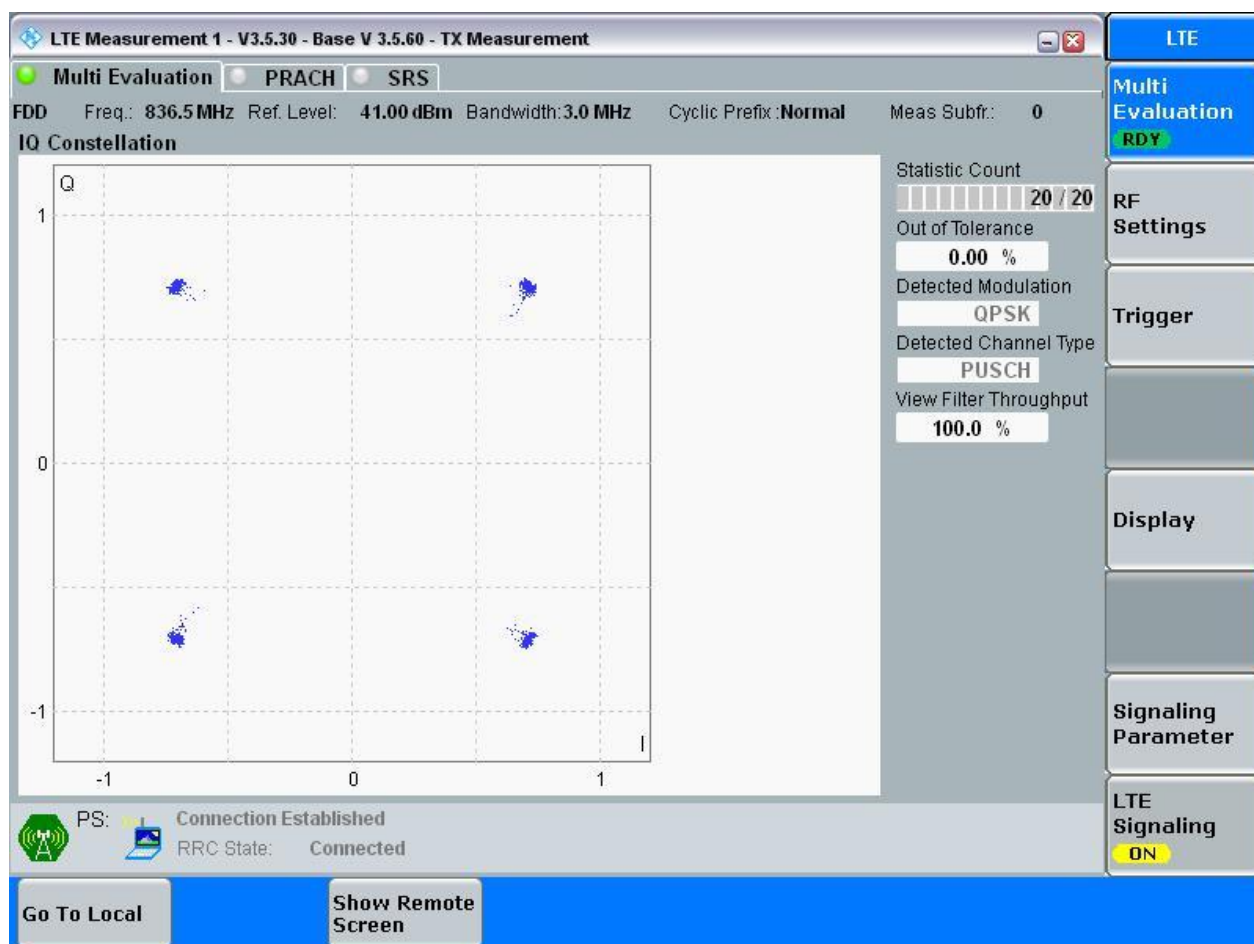
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

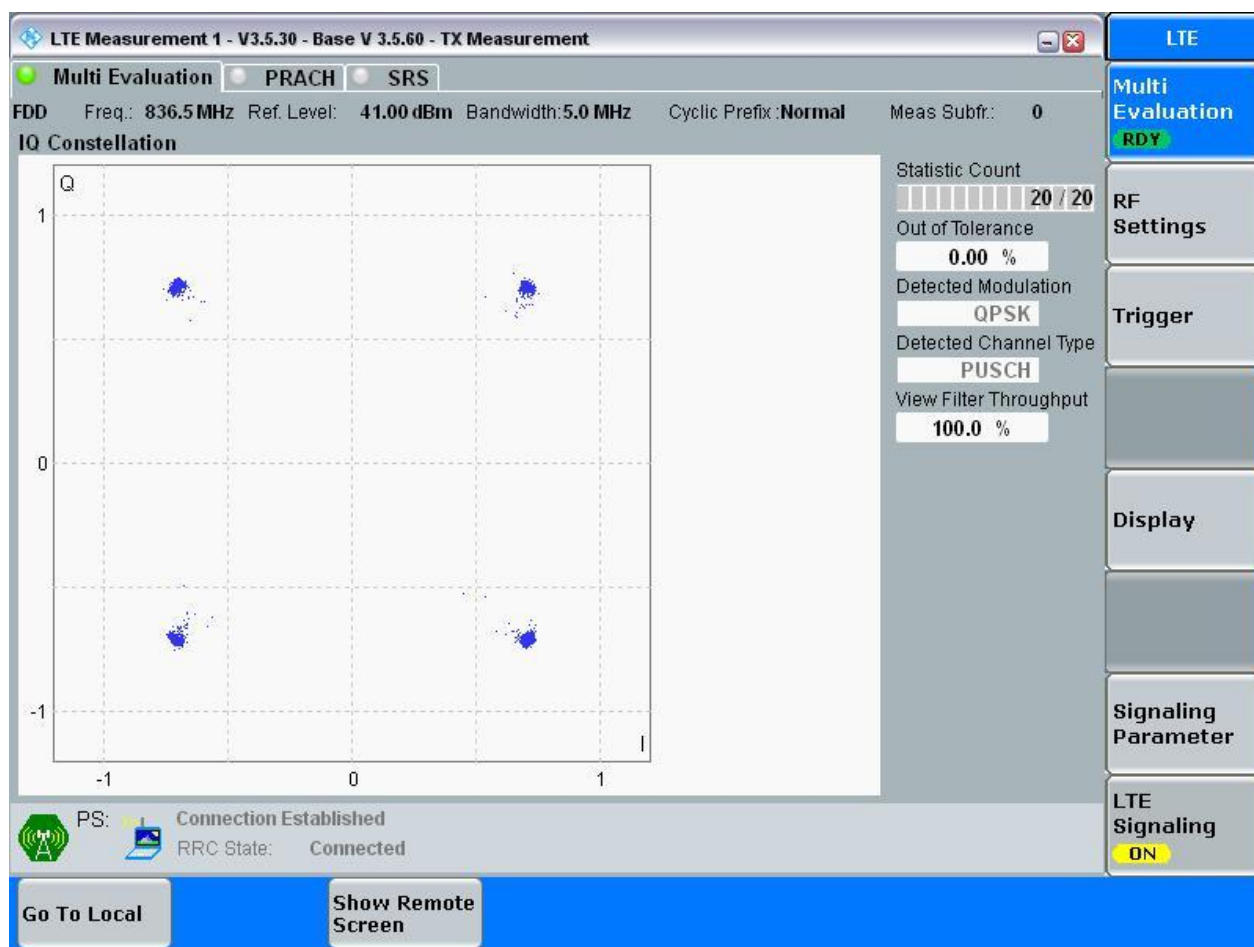
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

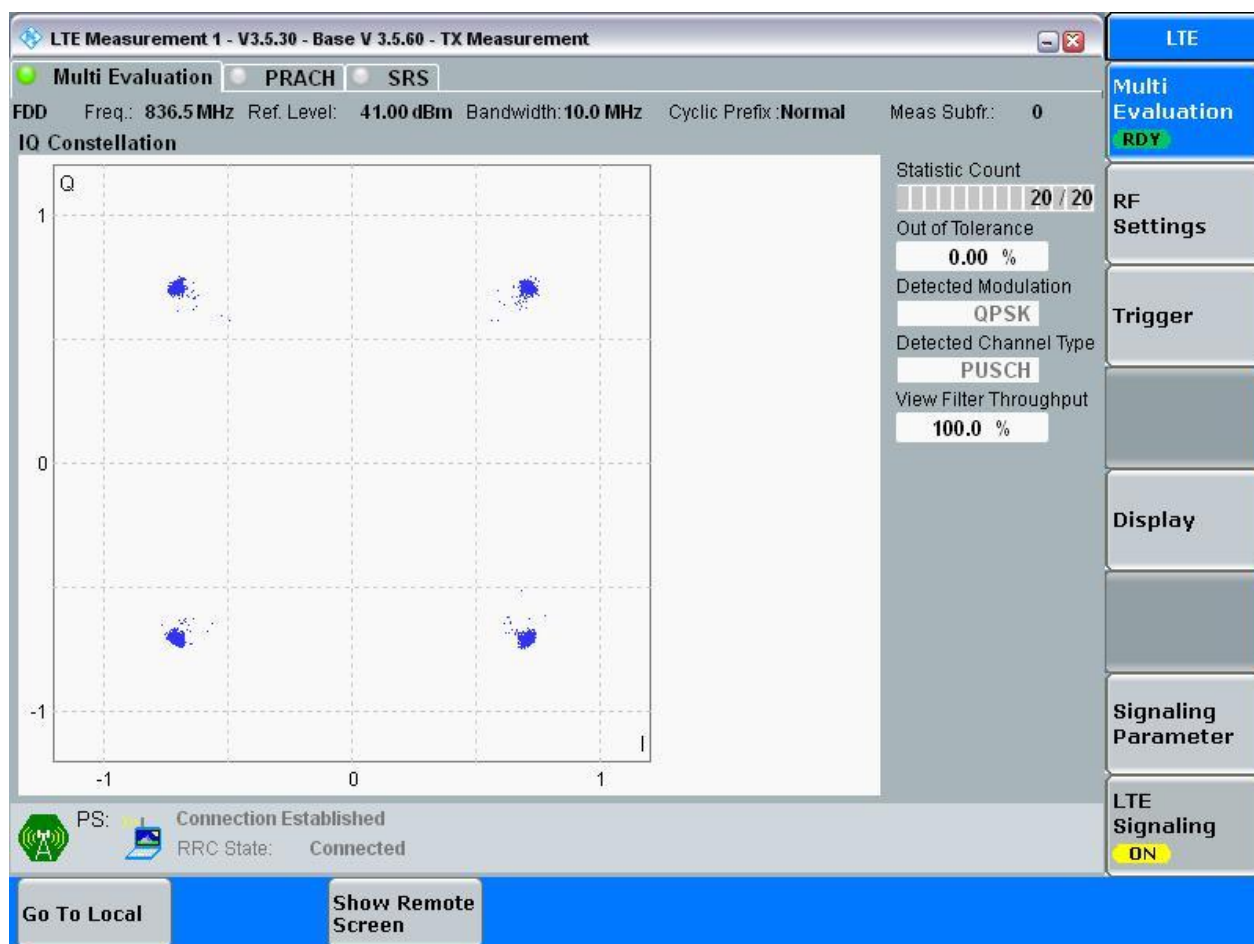
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

##### 3.1.1.1.4.1.1 Test RB = RB50#0

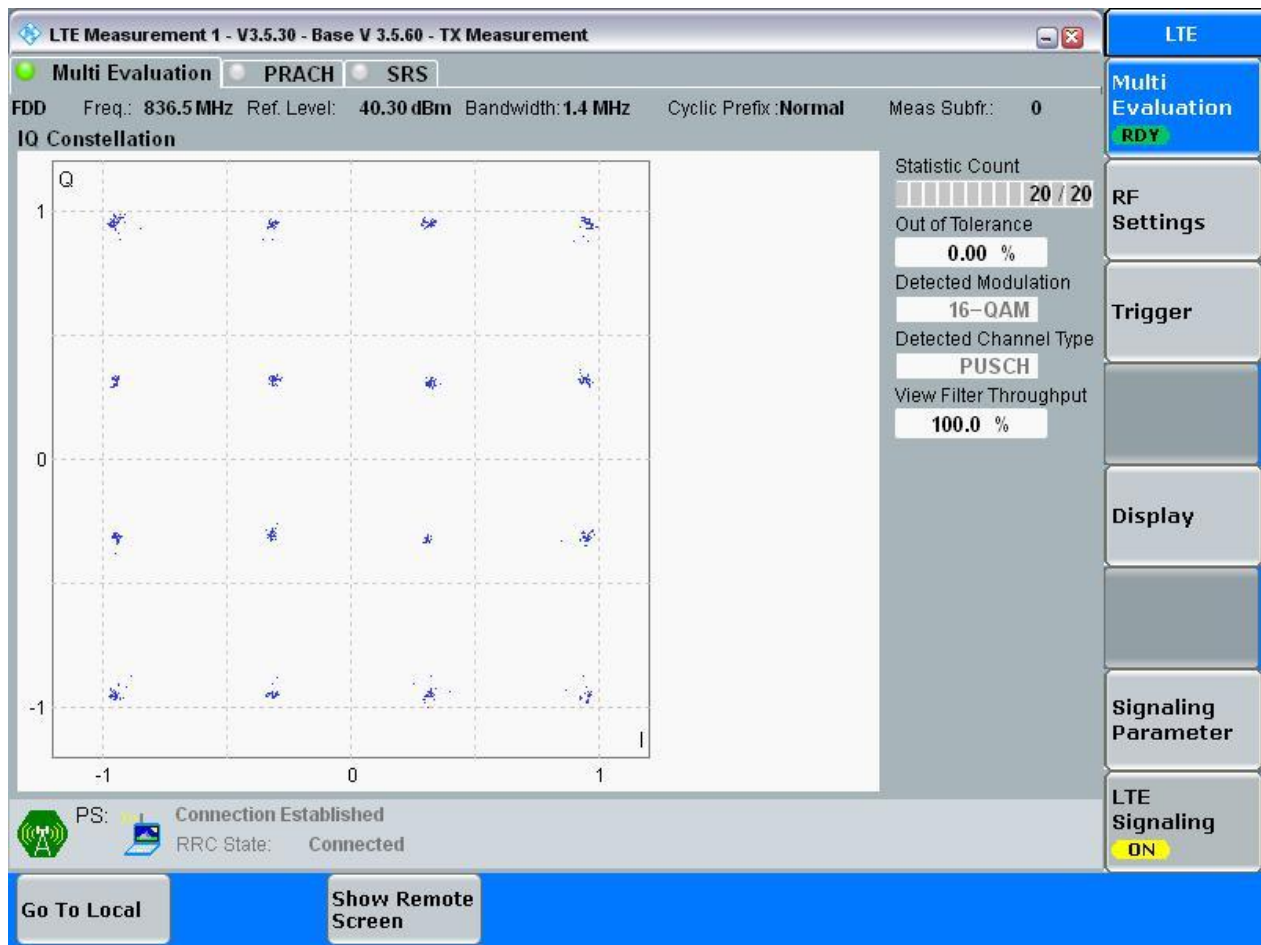


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

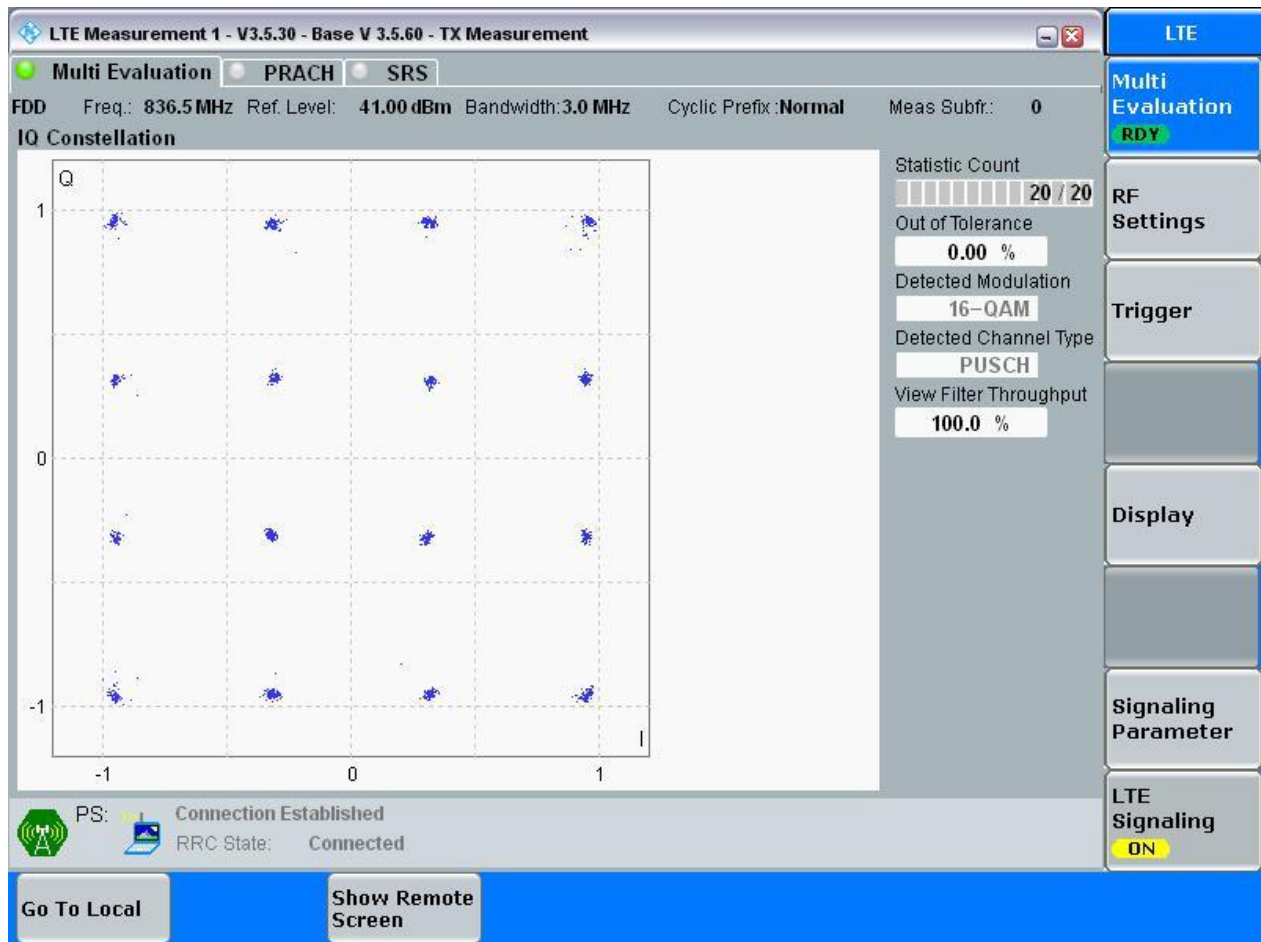
##### 3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

##### 3.1.1.2.2.1.1 Test RB = RB15#0

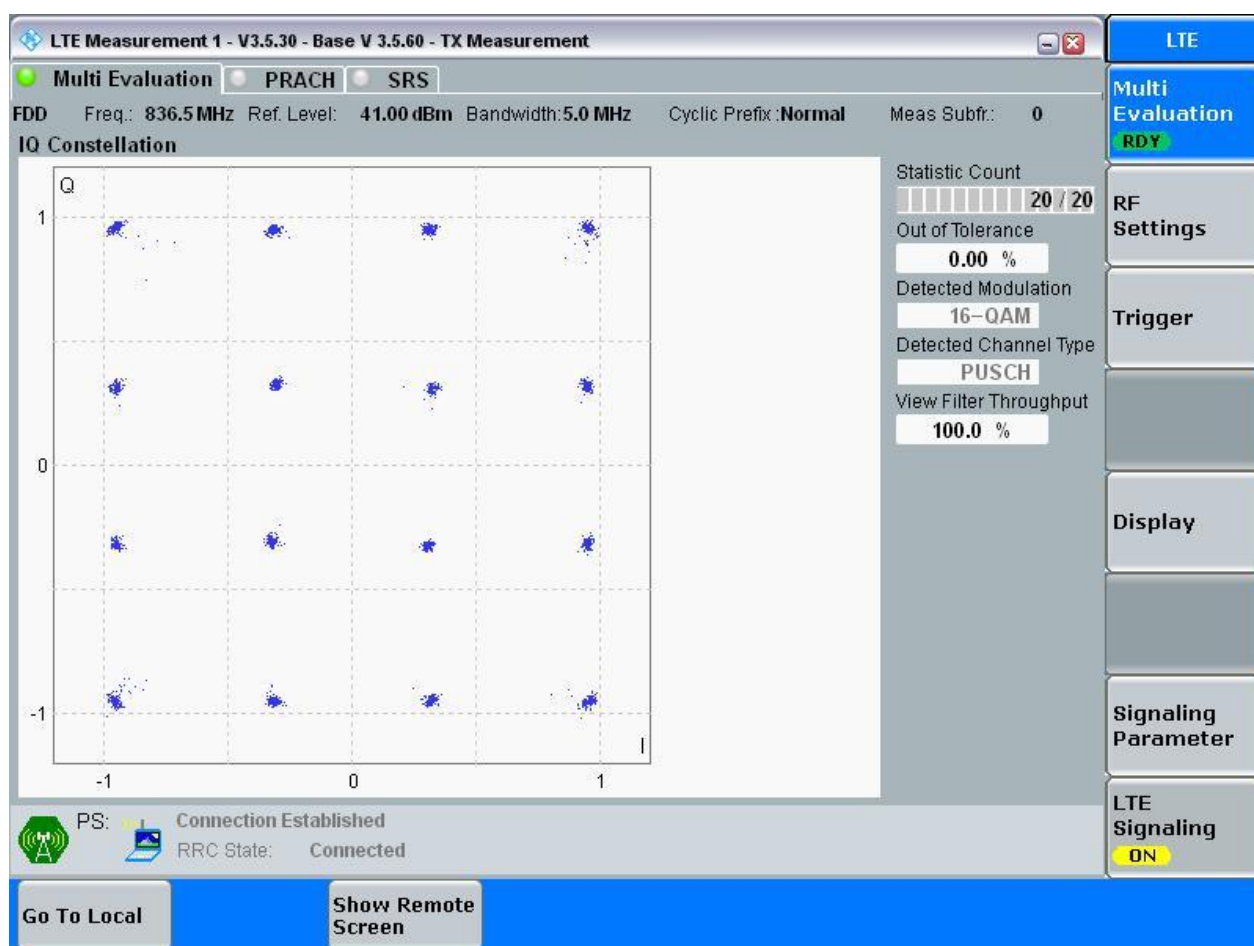




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

##### 3.1.1.2.3.1.1 Test RB = RB25#0

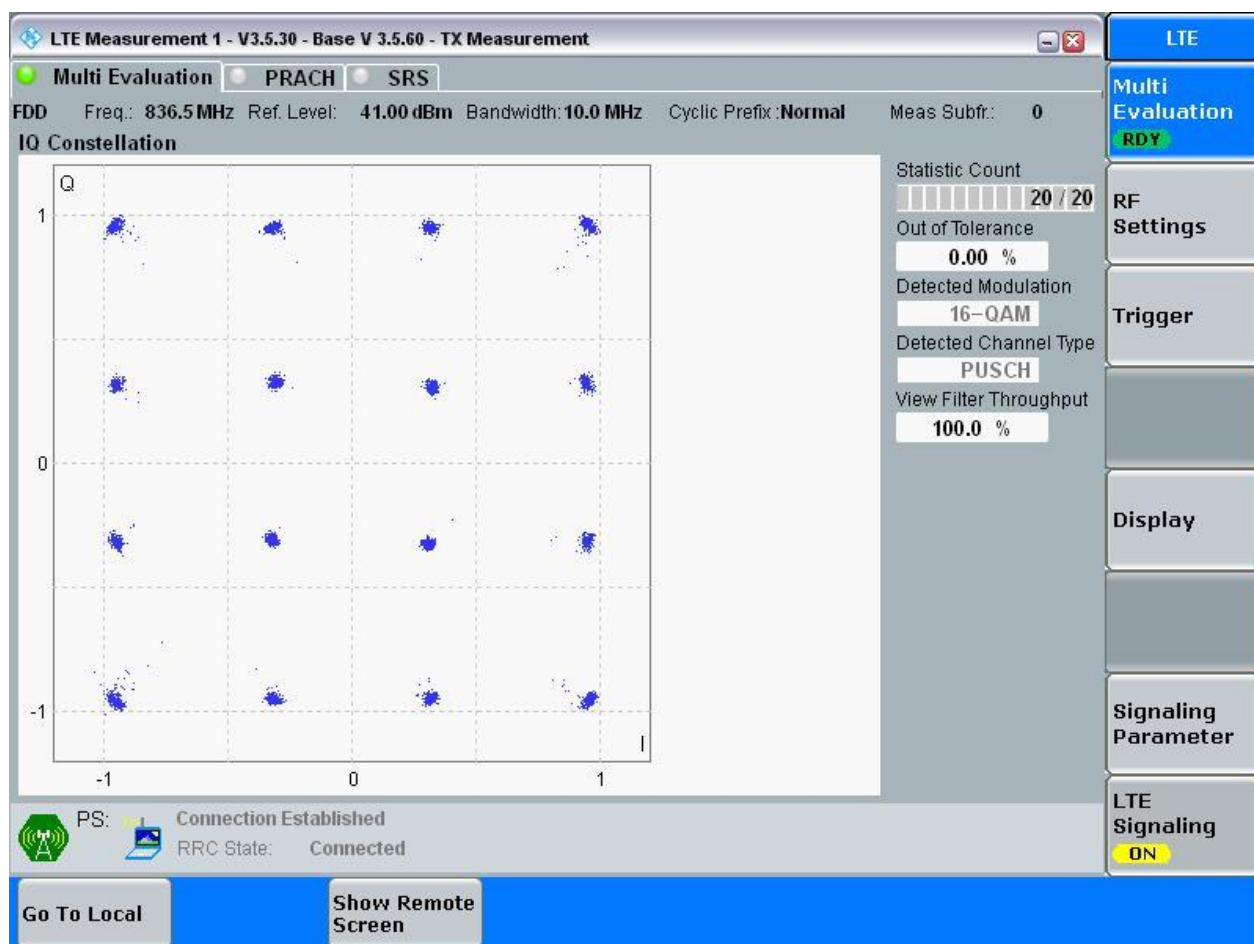




#### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

#### 3.1.1.2.4.1.1 Test RB = RB50#0



## 4Appendix\_D: Bandwidth

### Part I - Test Results

| Test Band | Test Mode | Test Bandwidth | Test Channel | Test RB | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|----------------|--------------|---------|--------------------------|--------------------------|---------|
| BAND5     | LTE/TM1   | 1.4            | LCH          | RB6#0   | 1.09                     | 1.25                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.08                     | 1.25                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.23                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.70                     | 2.93                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.70                     | 2.96                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.70                     | 2.92                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.50                     | 4.92                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.50                     | 4.88                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.51                     | 4.87                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.99                     | 9.62                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.96                     | 9.59                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.98                     | 9.59                     | Pass    |
|           | LTE/TM2   | 1.4            | LCH          | RB6#0   | 1.09                     | 1.25                     | Pass    |
|           |           |                | MCH          | RB6#0   | 1.09                     | 1.27                     | Pass    |
|           |           |                | HCH          | RB6#0   | 1.09                     | 1.19                     | Pass    |
|           |           | 3              | LCH          | RB15#0  | 2.70                     | 2.95                     | Pass    |
|           |           |                | MCH          | RB15#0  | 2.71                     | 2.96                     | Pass    |
|           |           |                | HCH          | RB15#0  | 2.70                     | 2.94                     | Pass    |
|           |           | 5              | LCH          | RB25#0  | 4.51                     | 4.93                     | Pass    |
|           |           |                | MCH          | RB25#0  | 4.50                     | 4.83                     | Pass    |
|           |           |                | HCH          | RB25#0  | 4.50                     | 4.90                     | Pass    |
|           |           | 10             | LCH          | RB50#0  | 8.98                     | 9.62                     | Pass    |
|           |           |                | MCH          | RB50#0  | 8.98                     | 9.54                     | Pass    |
|           |           |                | HCH          | RB50#0  | 8.97                     | 9.59                     | Pass    |

## Part II - Test Plots

### 4.1 For LTE

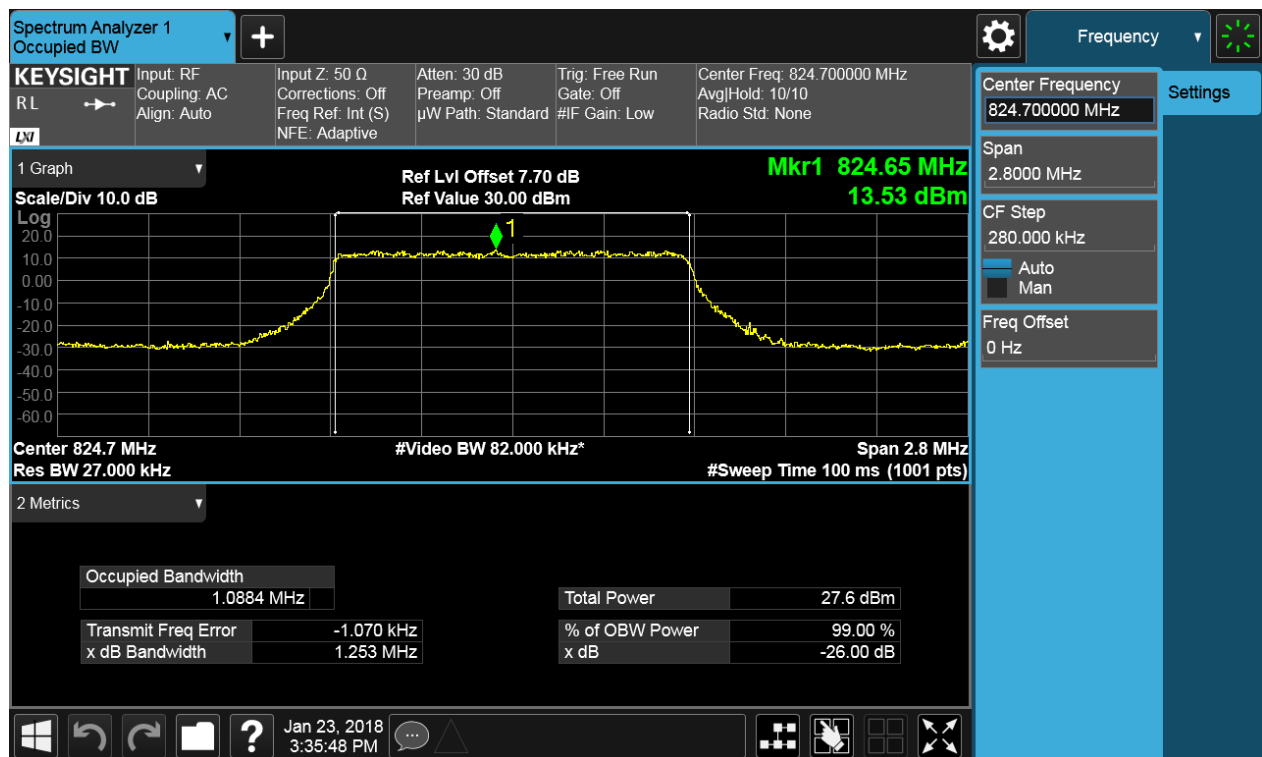
#### 4.1.1 Test Band = BAND5

##### 4.1.1.1 Test Mode = LTE/TM1

##### 4.1.1.1.1 Test Bandwidth = 1.4

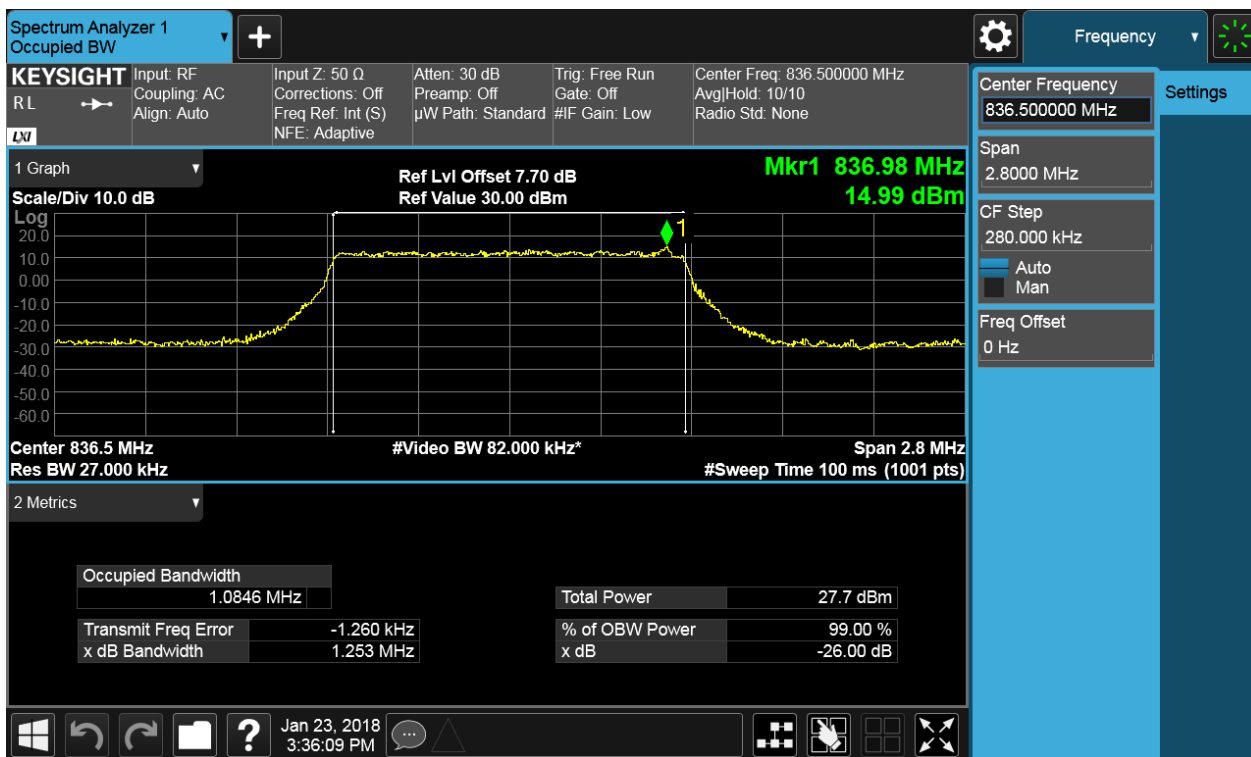
##### 4.1.1.1.1.1 Test Channel = LCH

##### 4.1.1.1.1.1.1 Test RB = RB6#0



#### 4.1.1.1.1.2 Test Channel = MCH

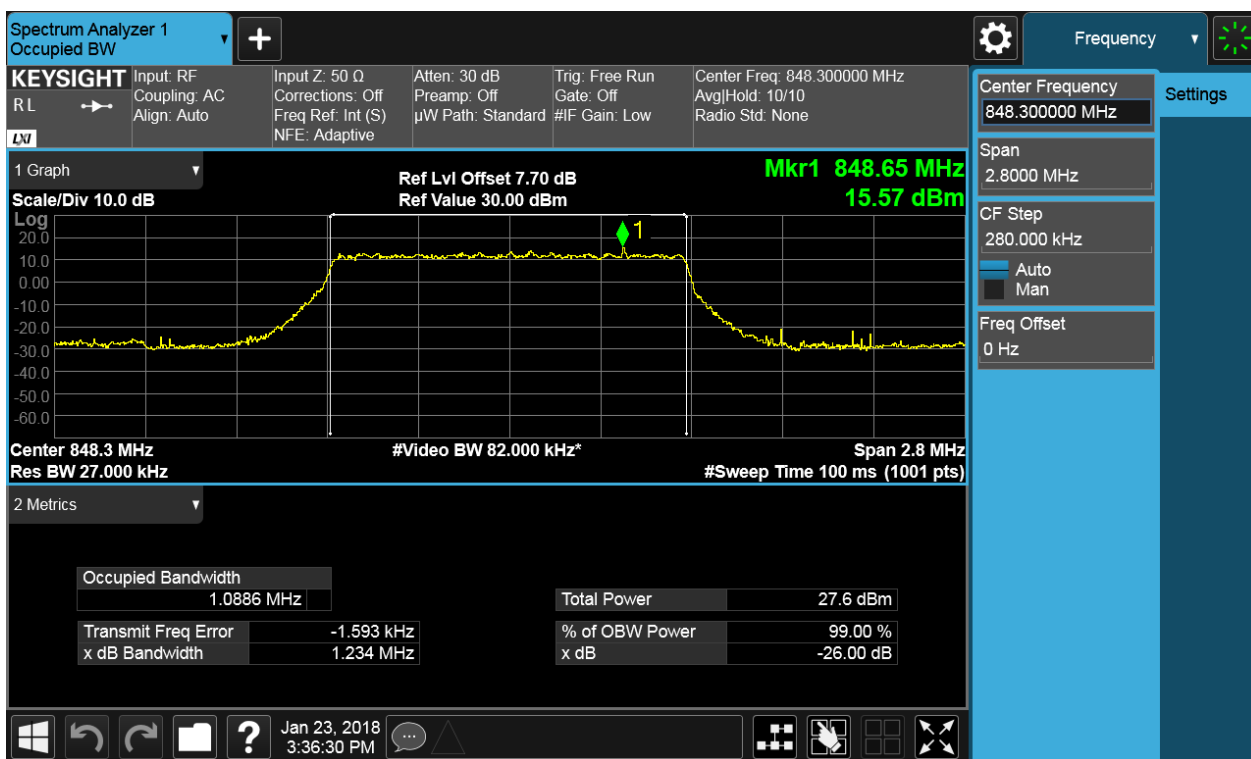
##### 4.1.1.1.1.2.1 Test RB = RB6#0





## 4.1.1.1.1.3 Test Channel = HCH

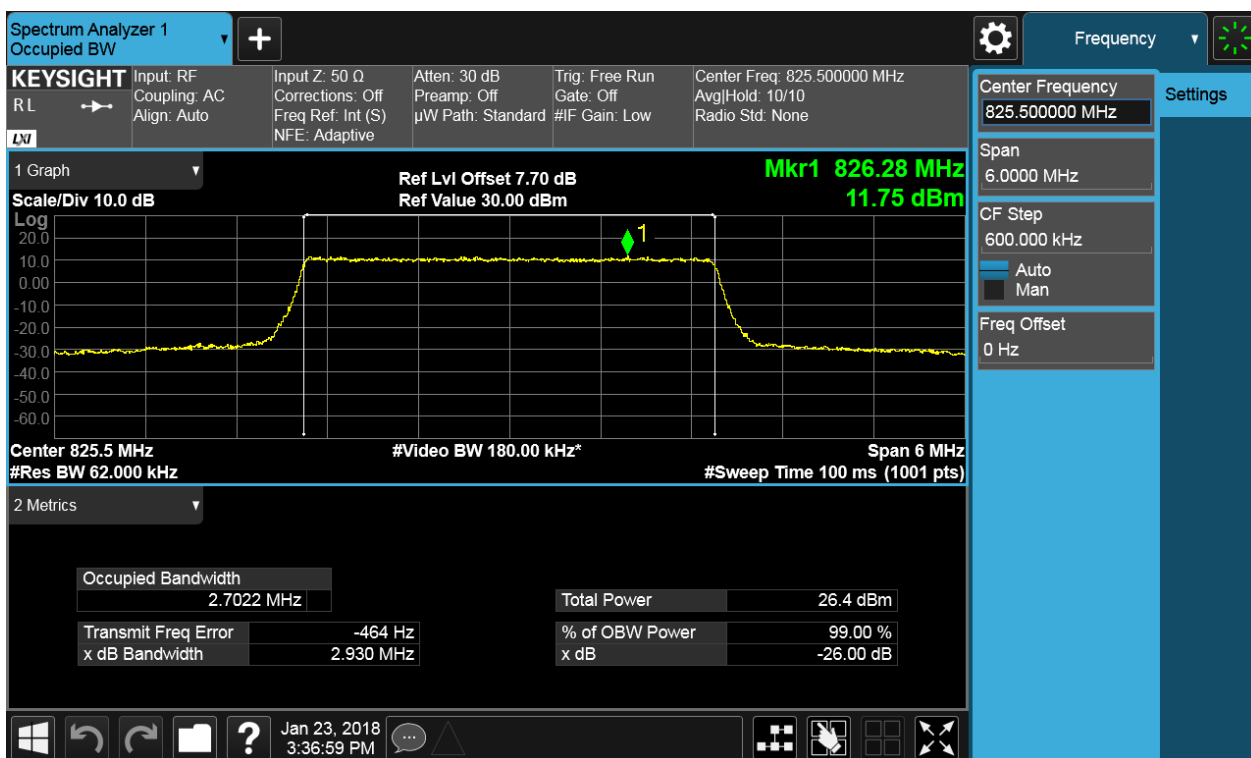
## 4.1.1.1.1.3.1 Test RB = RB6#0



#### 4.1.1.1.2 Test Bandwidth = 3

##### 4.1.1.1.2.1 Test Channel = LCH

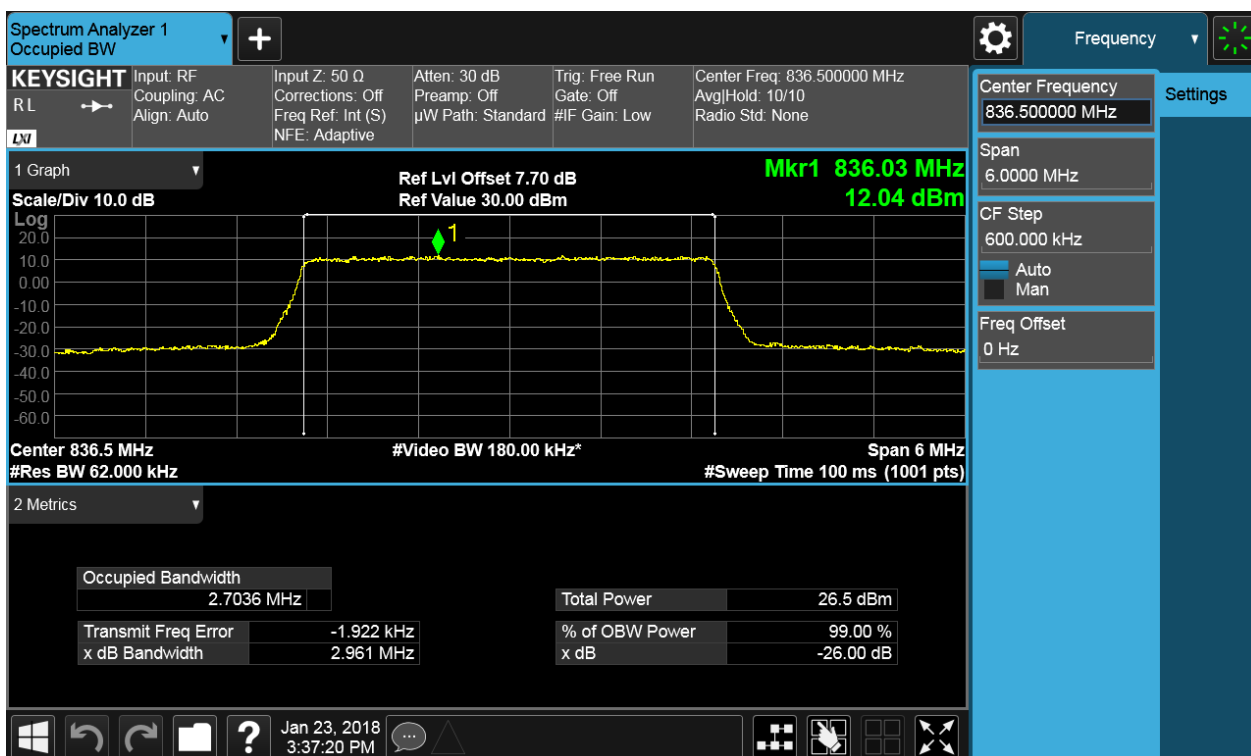
##### 4.1.1.1.2.1.1 Test RB = RB15#0





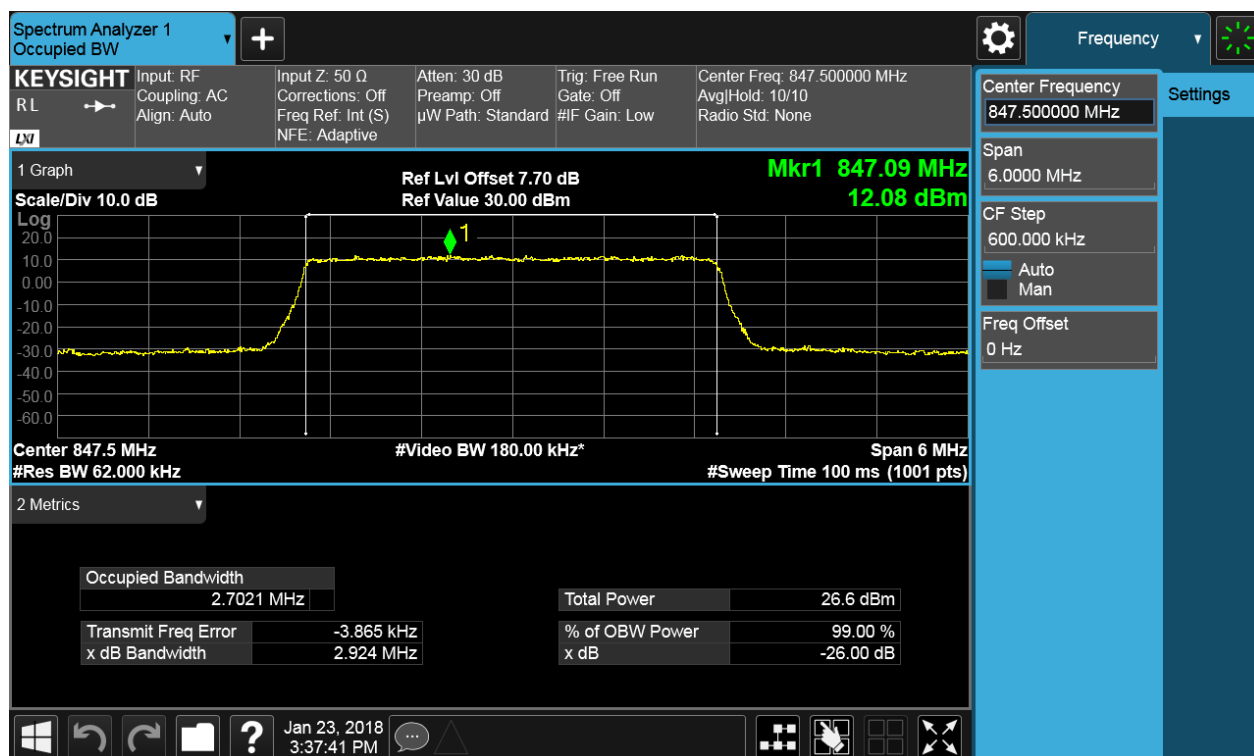
## 4.1.1.1.2.2 Test Channel = MCH

## 4.1.1.1.2.2.1 Test RB = RB15#0



#### 4.1.1.1.2.3 Test Channel = HCH

##### 4.1.1.1.2.3.1 Test RB = RB15#0

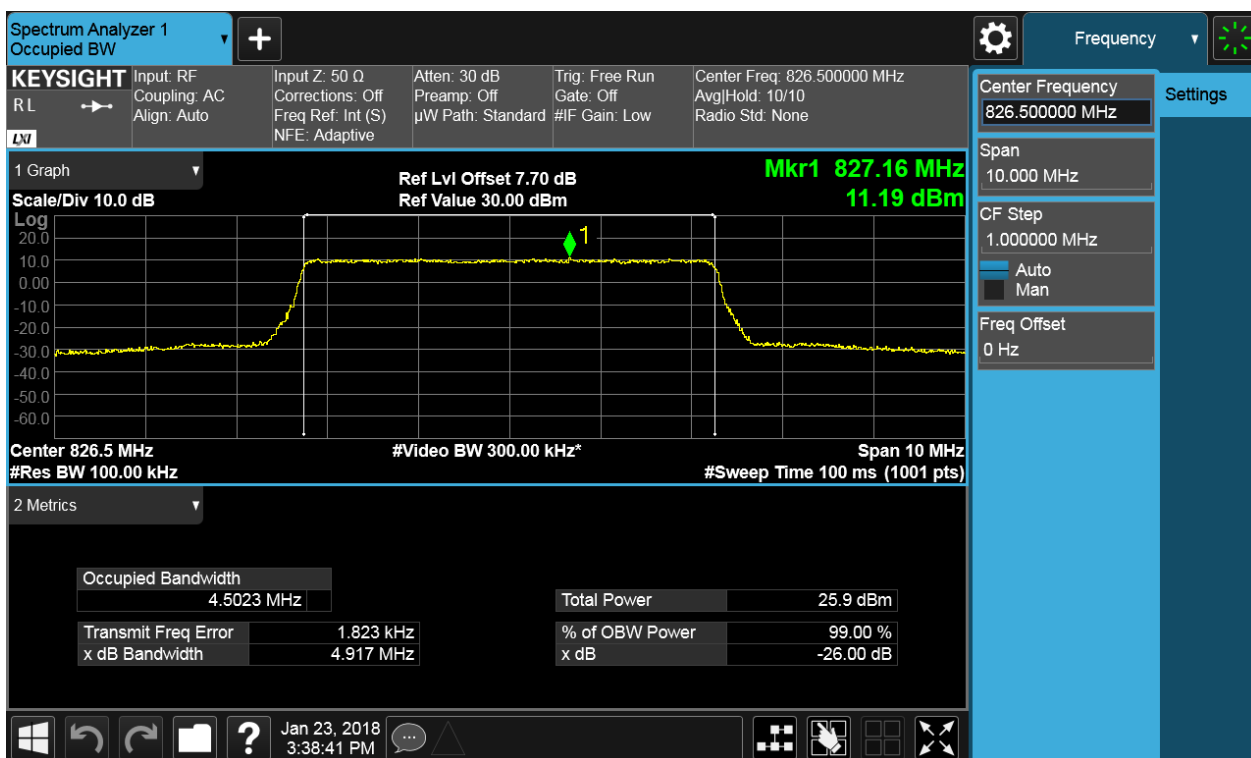




#### 4.1.1.1.3 Test Bandwidth = 5

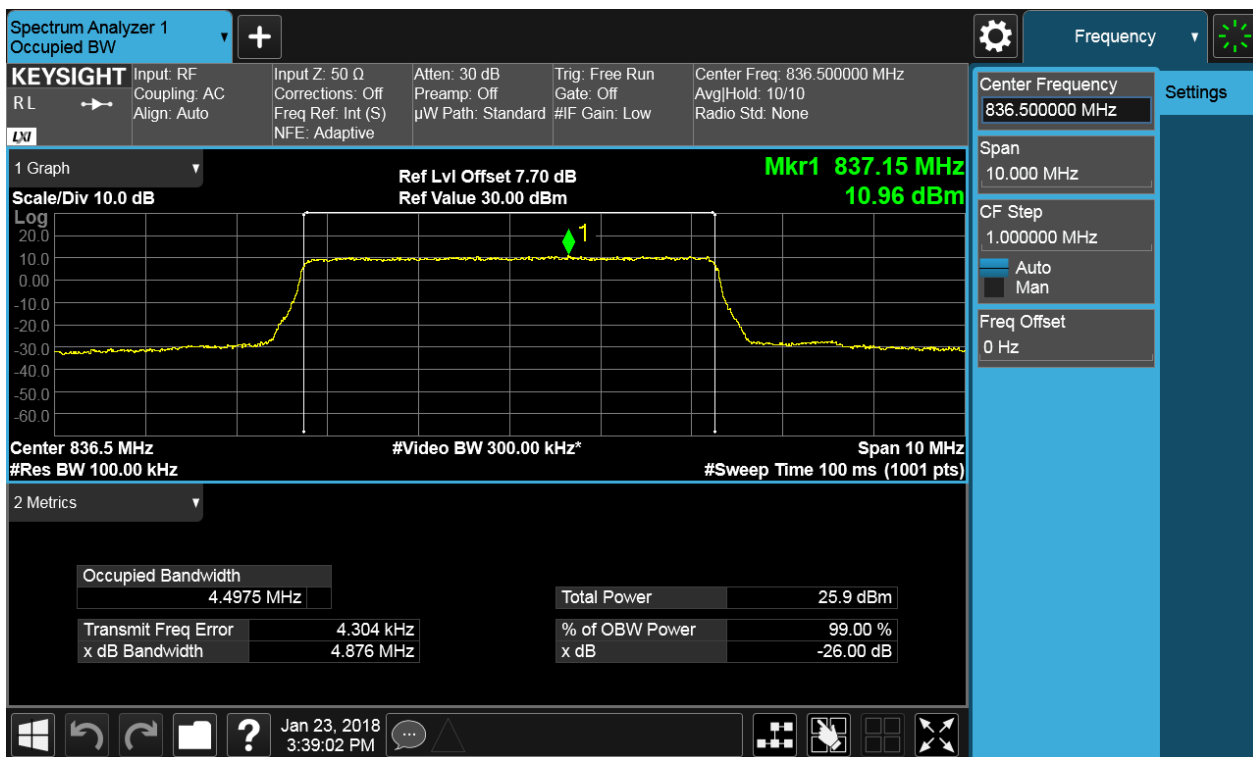
##### 4.1.1.1.3.1 Test Channel = LCH

##### 4.1.1.1.3.1.1 Test RB = RB25#0



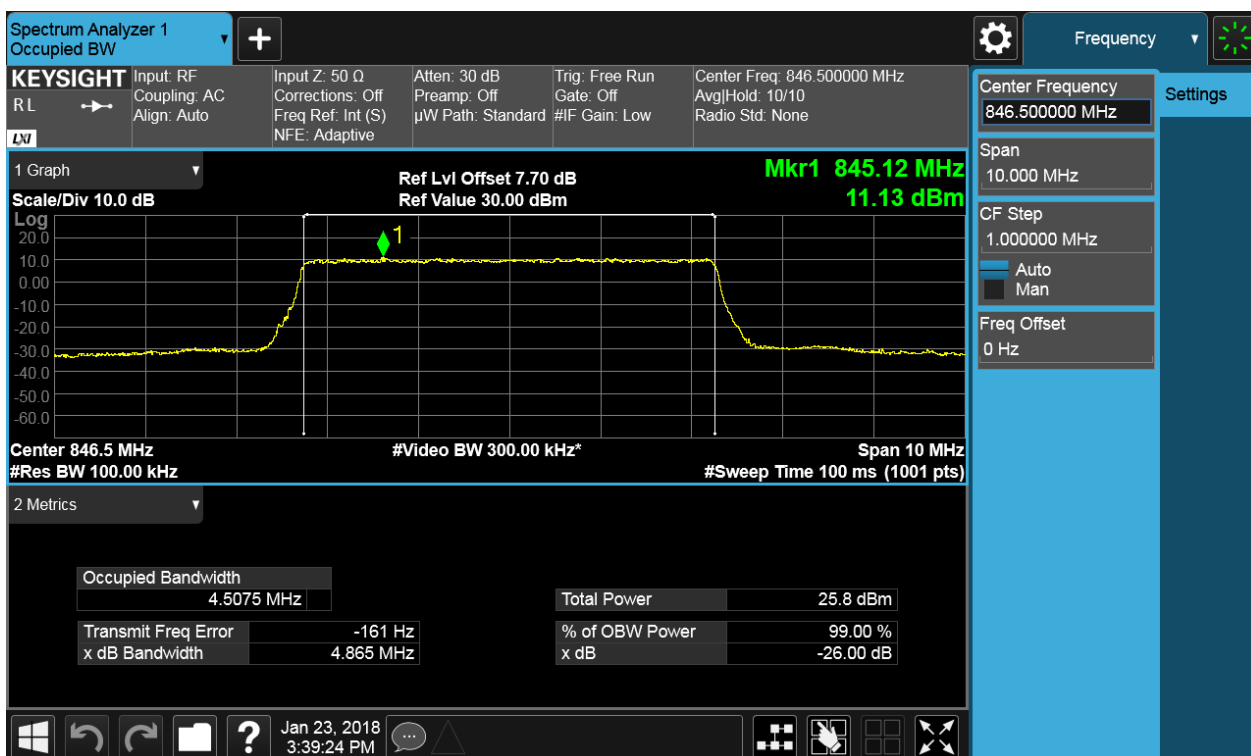
#### 4.1.1.1.3.2 Test Channel = MCH

##### 4.1.1.1.3.2.1 Test RB = RB25#0



#### 4.1.1.1.3.3 Test Channel = HCH

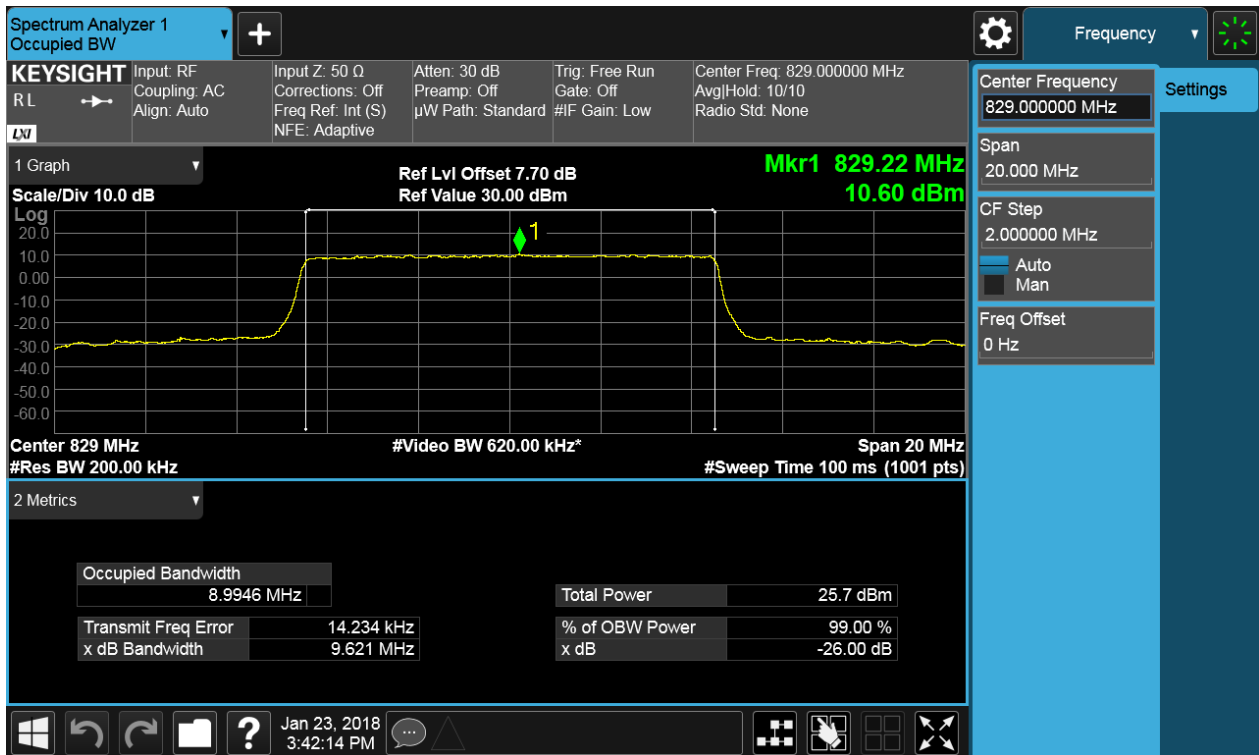
##### 4.1.1.1.3.3.1 Test RB = RB25#0



#### 4.1.1.1.4 Test Bandwidth = 10

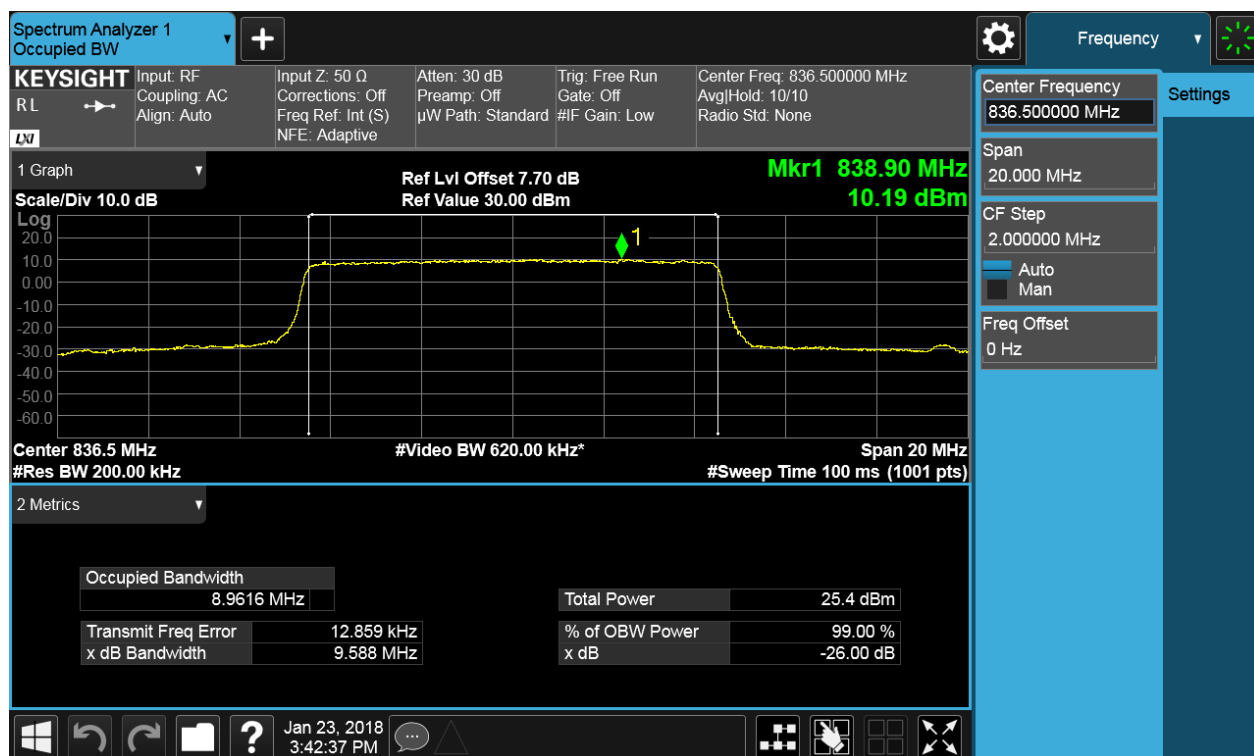
##### 4.1.1.1.4.1 Test Channel = LCH

##### 4.1.1.1.4.1.1 Test RB = RB50#0



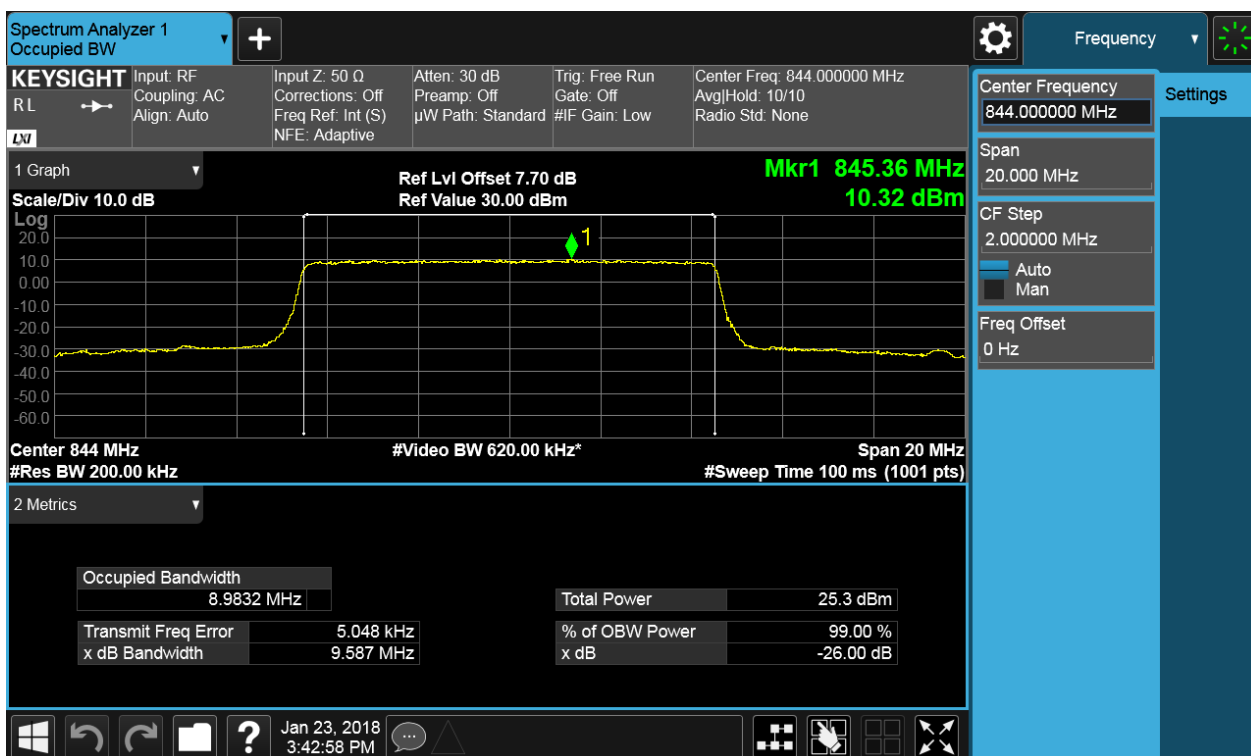
#### 4.1.1.1.4.2 Test Channel = MCH

#### 4.1.1.1.4.2.1 Test RB = RB50#0



#### 4.1.1.1.4.3 Test Channel = HCH

##### 4.1.1.1.4.3.1 Test RB = RB50#0

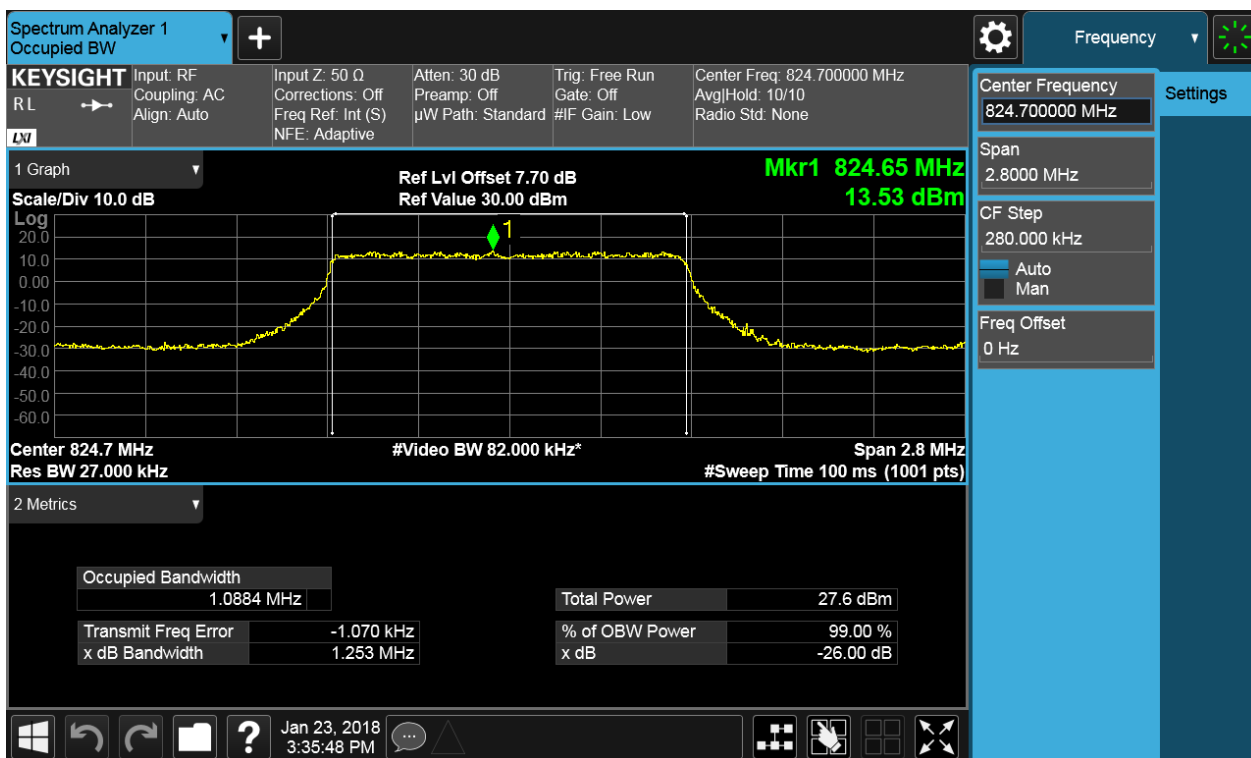


#### 4.1.1.2 Test Mode = LTE/TM2

##### 4.1.1.2.1 Test Bandwidth = 1.4

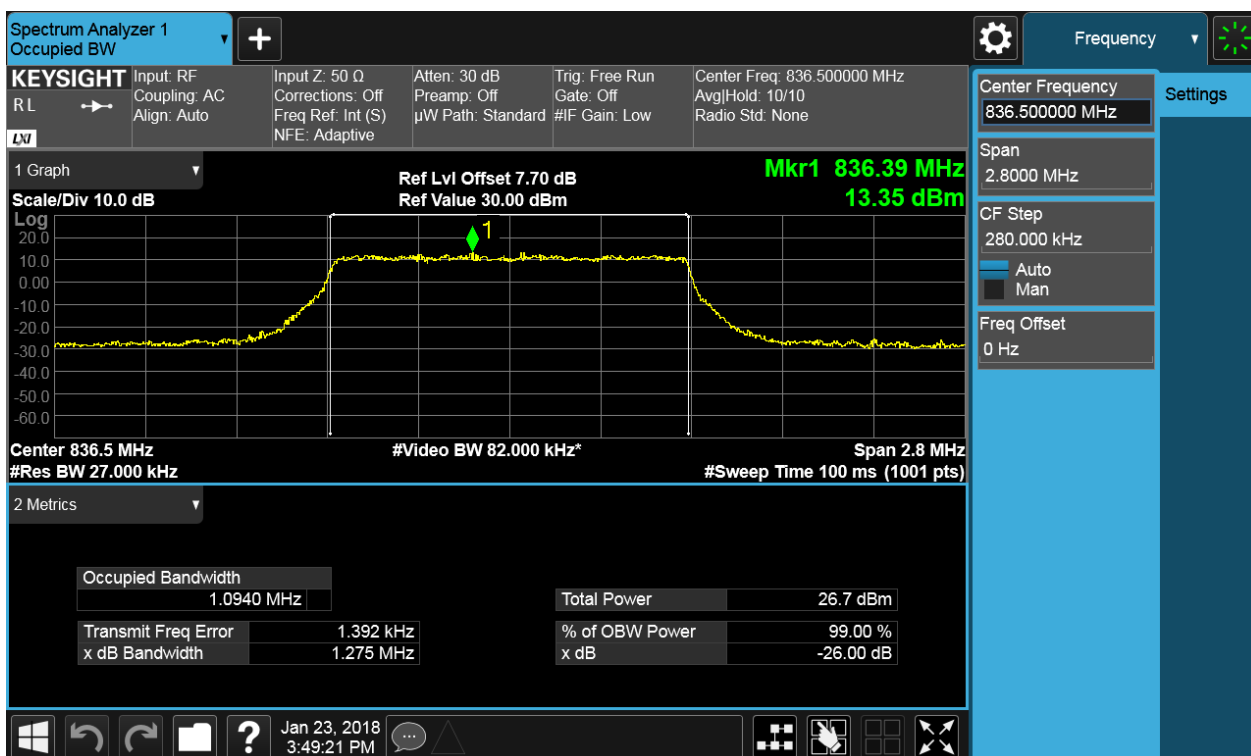
##### 4.1.1.2.1.1 Test Channel = LCH

##### 4.1.1.2.1.1.1 Test RB = RB6#0



#### 4.1.1.2.1.2 Test Channel = MCH

#### 4.1.1.2.1.2.1 Test RB = RB6#0

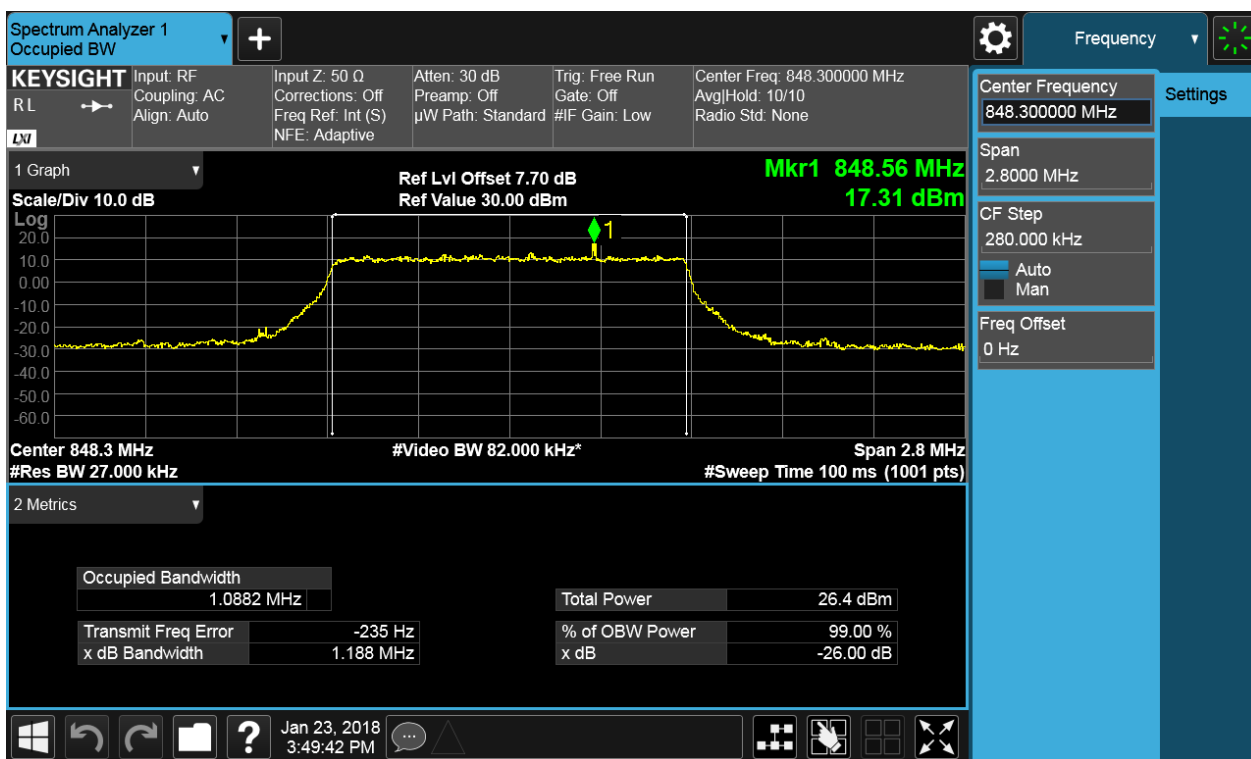






## 4.1.1.2.1.3 Test Channel = HCH

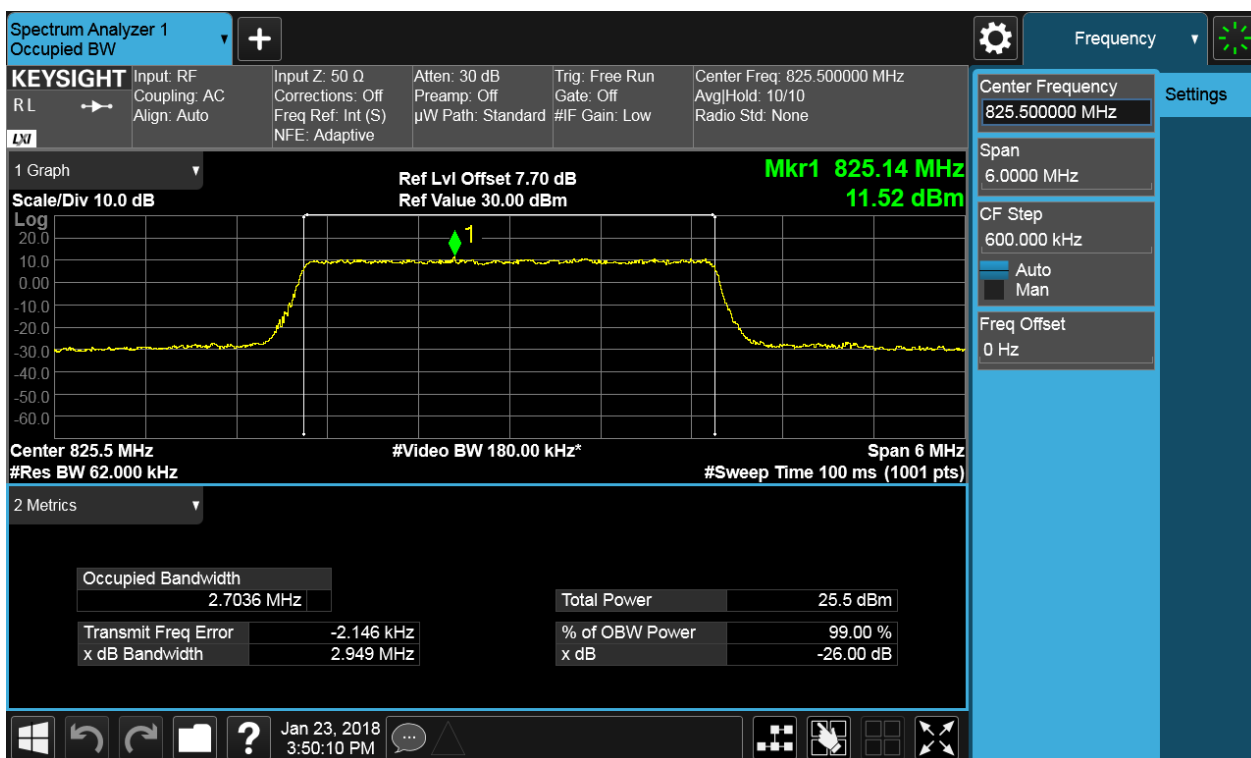
## 4.1.1.2.1.3.1 Test RB = RB6#0



#### 4.1.1.2.2 Test Bandwidth = 3

##### 4.1.1.2.2.1 Test Channel = LCH

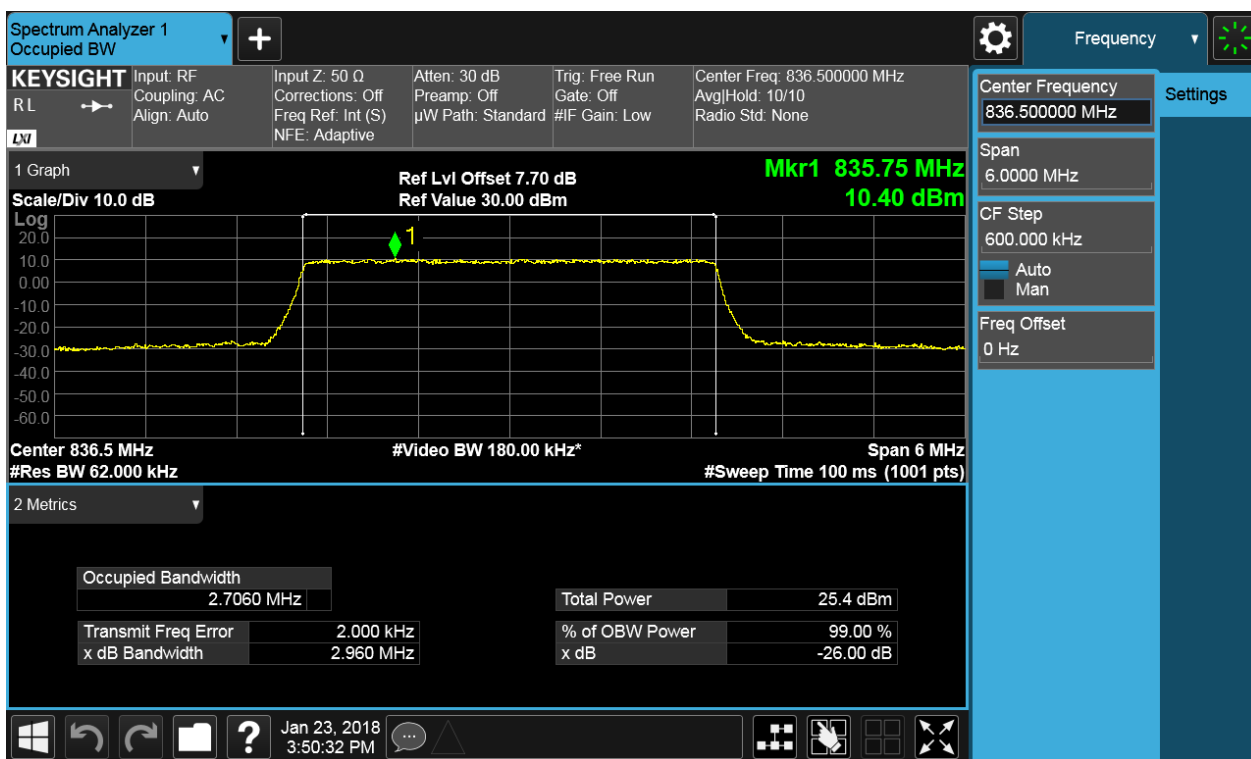
##### 4.1.1.2.2.1.1 Test RB = RB15#0





## 4.1.1.2.2.2 Test Channel = MCH

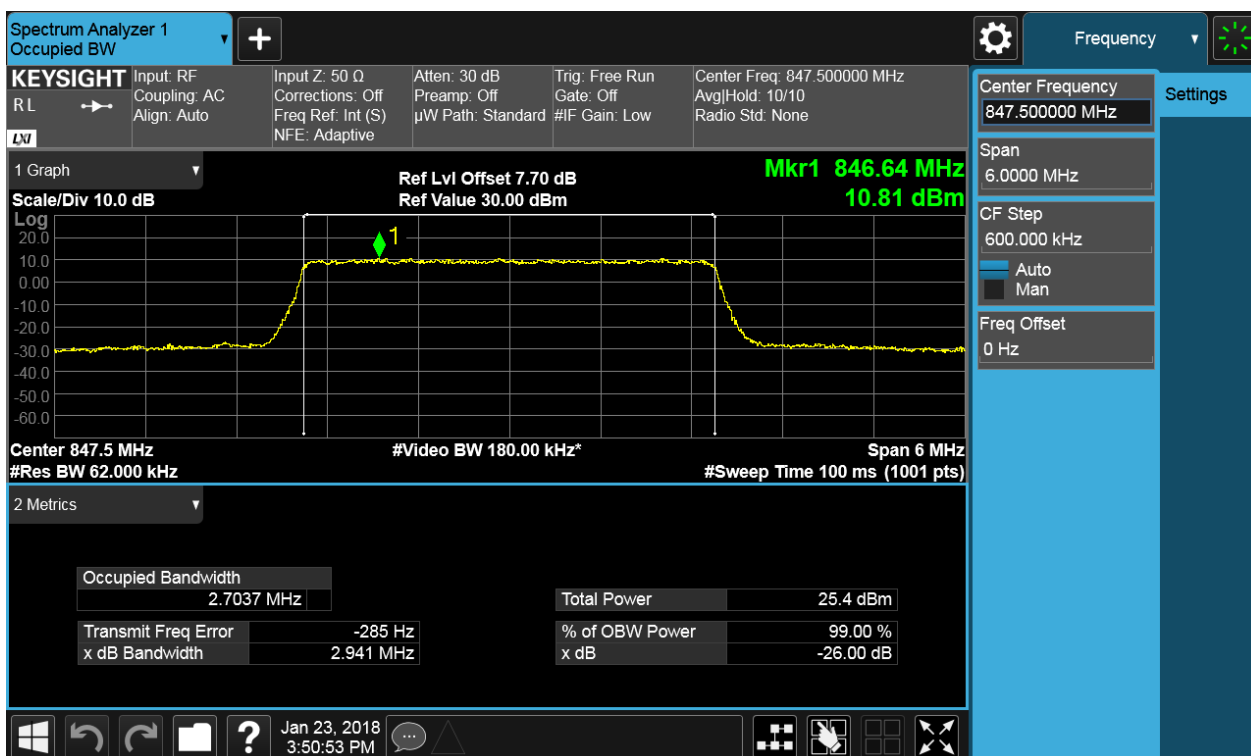
## 4.1.1.2.2.2.1 Test RB = RB15#0





## 4.1.1.2.2.3 Test Channel = HCH

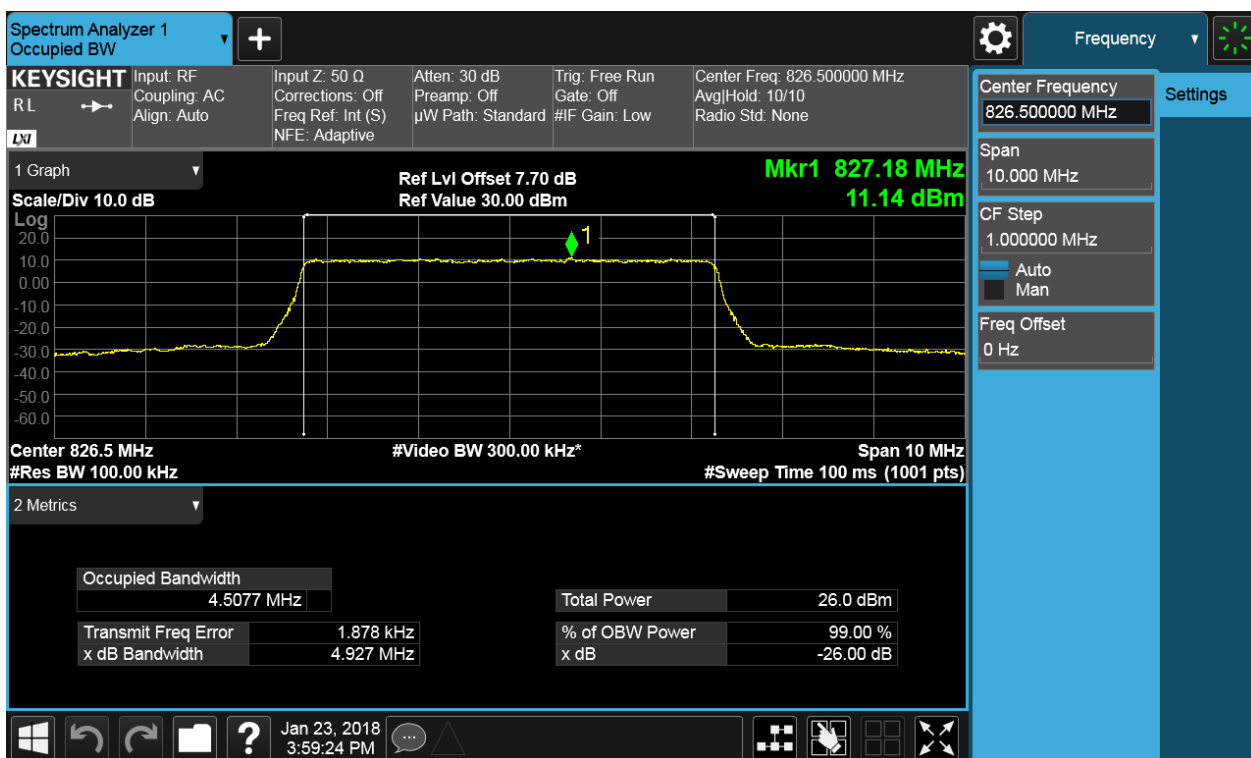
## 4.1.1.2.2.3.1 Test RB = RB15#0



#### 4.1.1.2.3 Test Bandwidth = 5

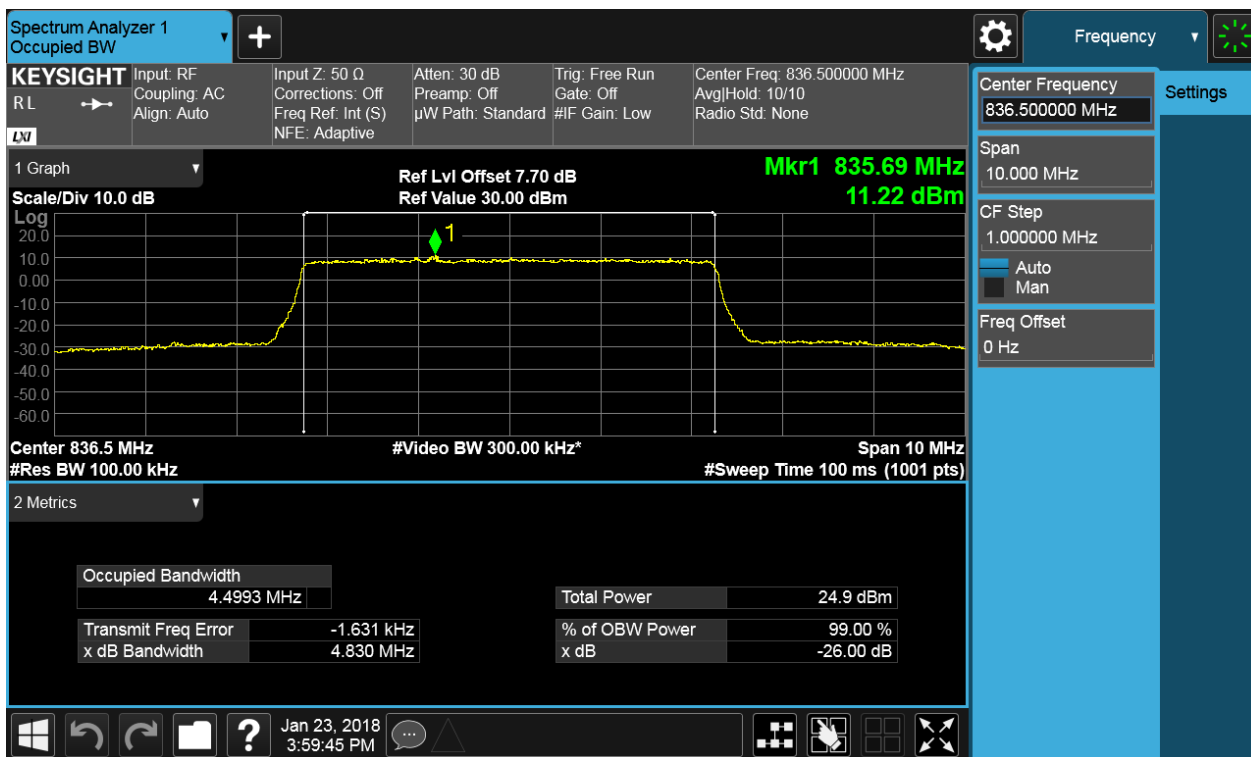
##### 4.1.1.2.3.1 Test Channel = LCH

##### 4.1.1.2.3.1.1 Test RB = RB25#0



#### 4.1.1.2.3.2 Test Channel = MCH

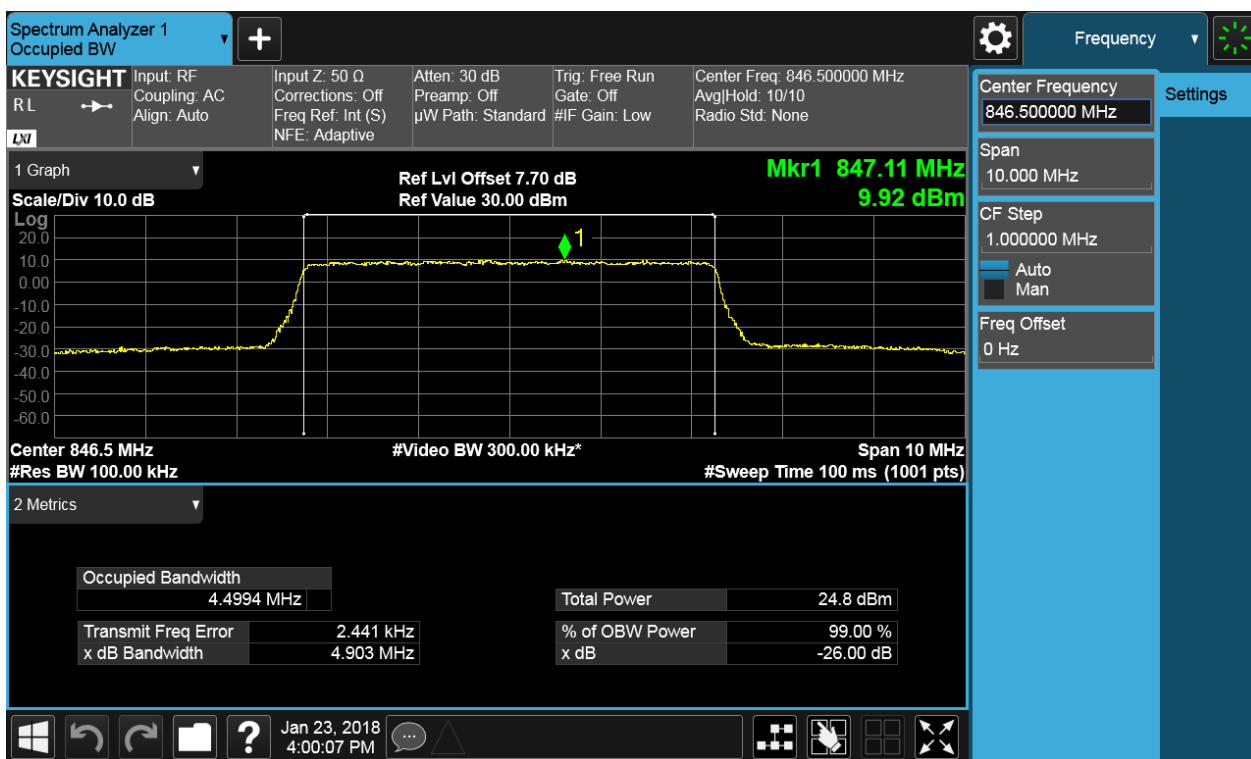
##### 4.1.1.2.3.2.1 Test RB = RB25#0





## 4.1.1.2.3.3 Test Channel = HCH

## 4.1.1.2.3.3.1 Test RB = RB25#0

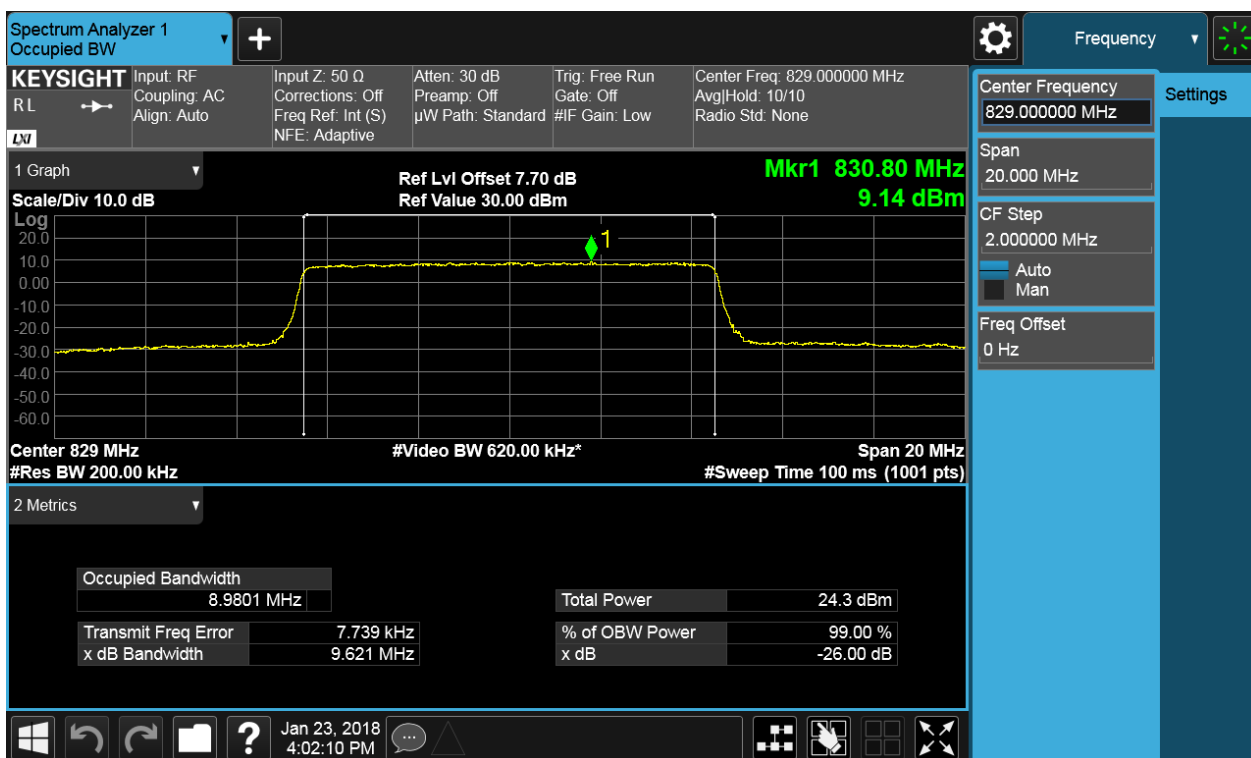




## 4.1.1.2.4 Test Bandwidth = 10

## 4.1.1.2.4.1 Test Channel = LCH

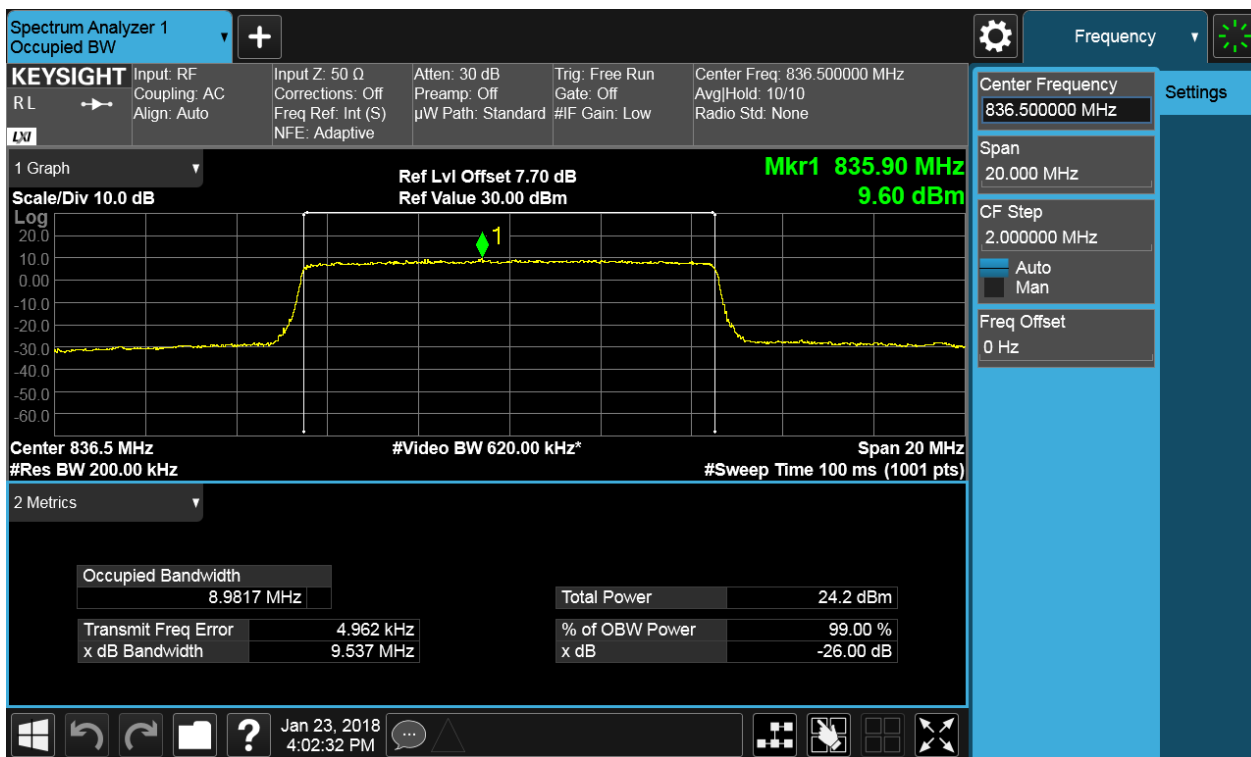
## 4.1.1.2.4.1.1 Test RB = RB50#0





#### 4.1.1.2.4.2 Test Channel = MCH

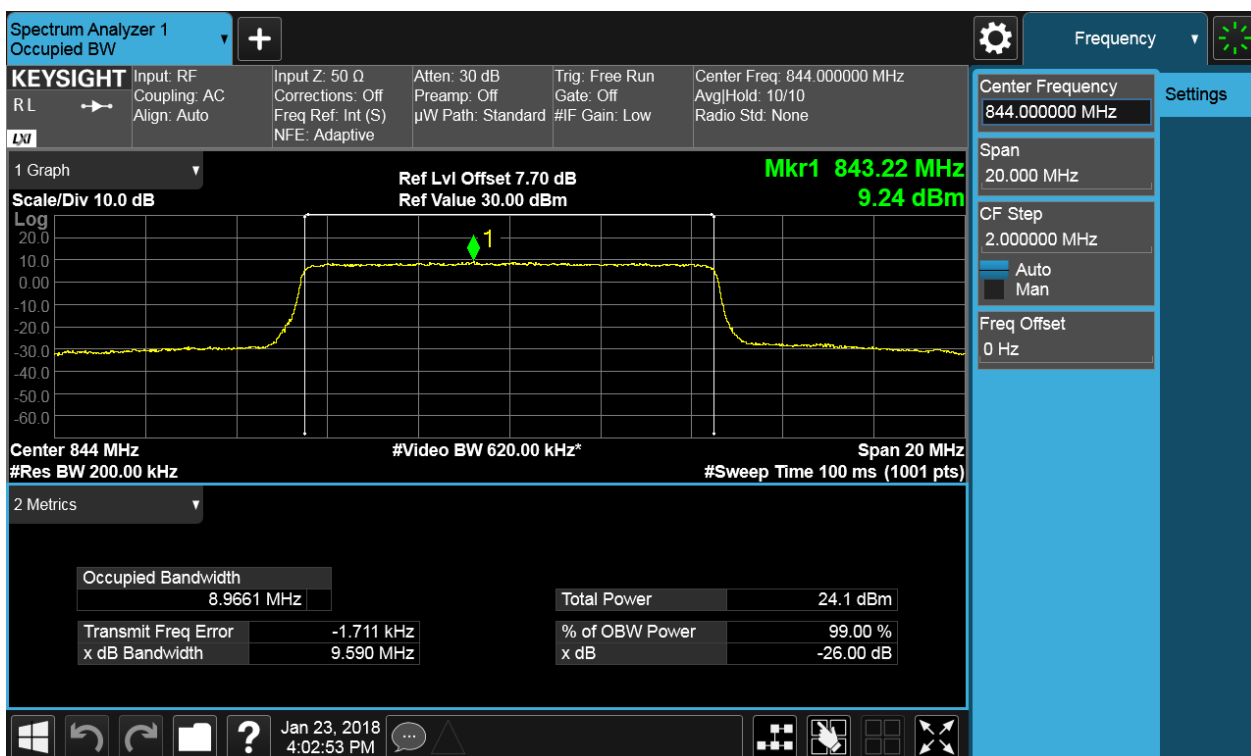
##### 4.1.1.2.4.2.1 Test RB = RB50#0





## 4.1.1.2.4.3 Test Channel = HCH

## 4.1.1.2.4.3.1 Test RB = RB50#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

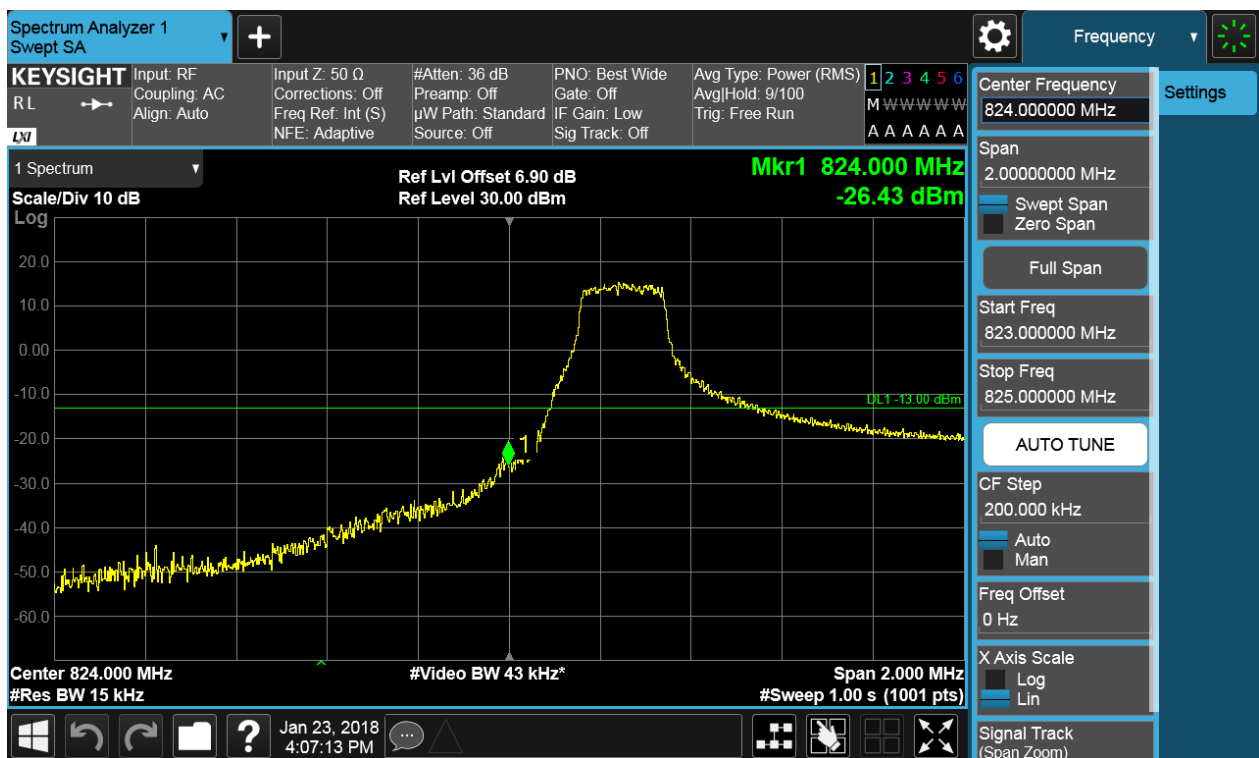
##### 5.1.1 Test Band = BAND5

##### 5.1.1.1 Test Mode = LTE/TM1

##### 5.1.1.1.1 Test Bandwidth = 1.4

##### 5.1.1.1.1.1 Test Channel = LCH

##### 5.1.1.1.1.1.1 Test RB = RB1#0



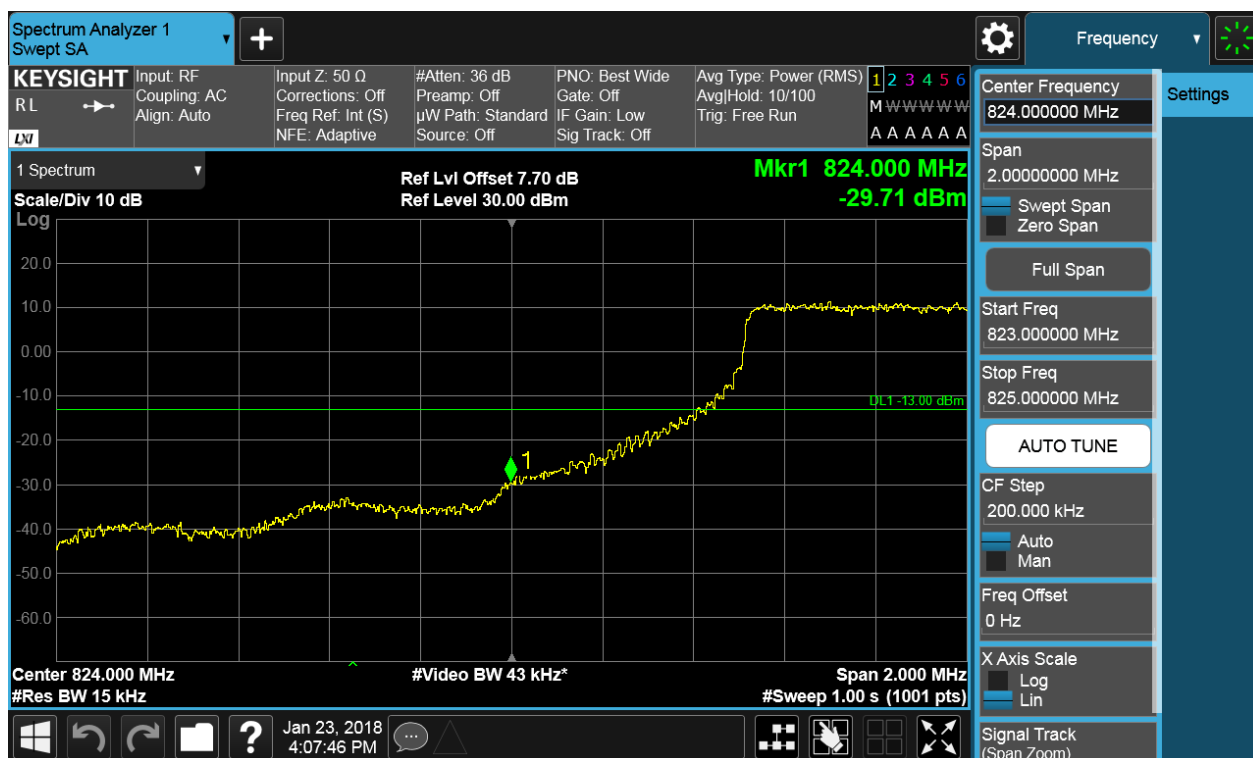


## 5.1.1.1.1.2 Test RB = RB1#5



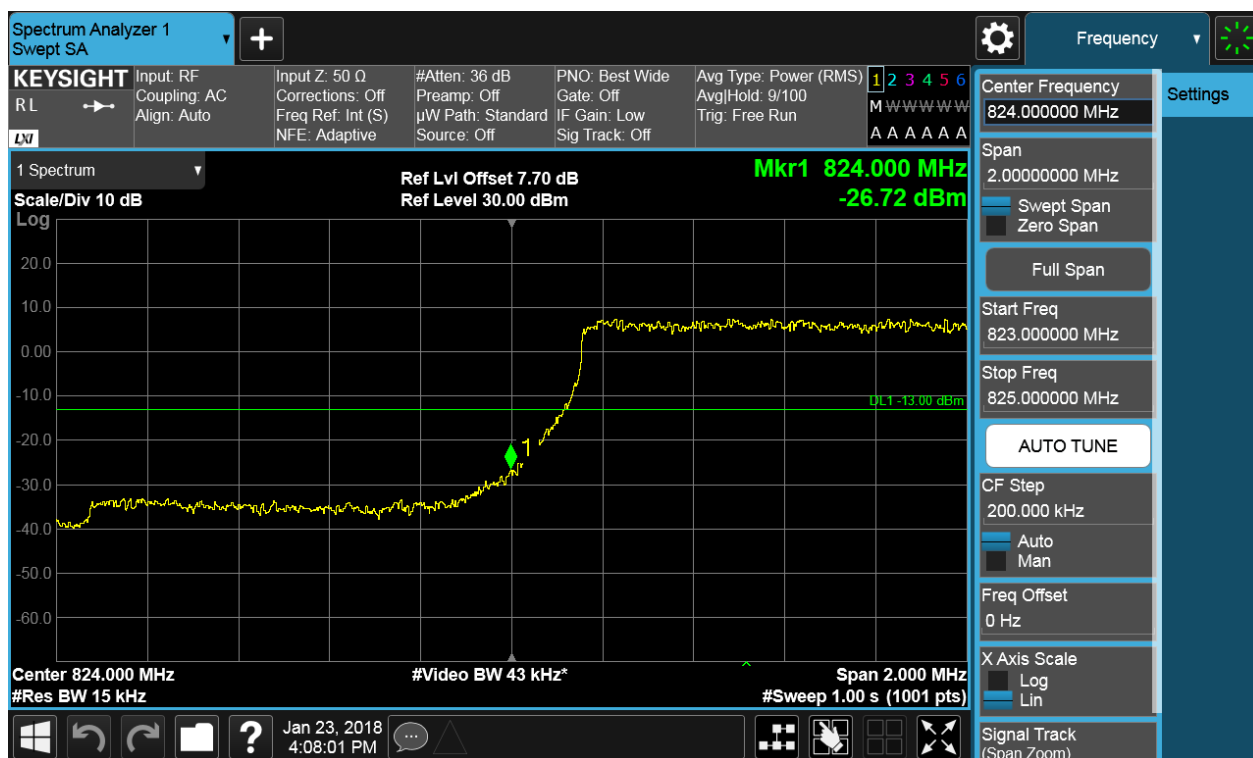


## 5.1.1.1.1.3 Test RB = RB3#2





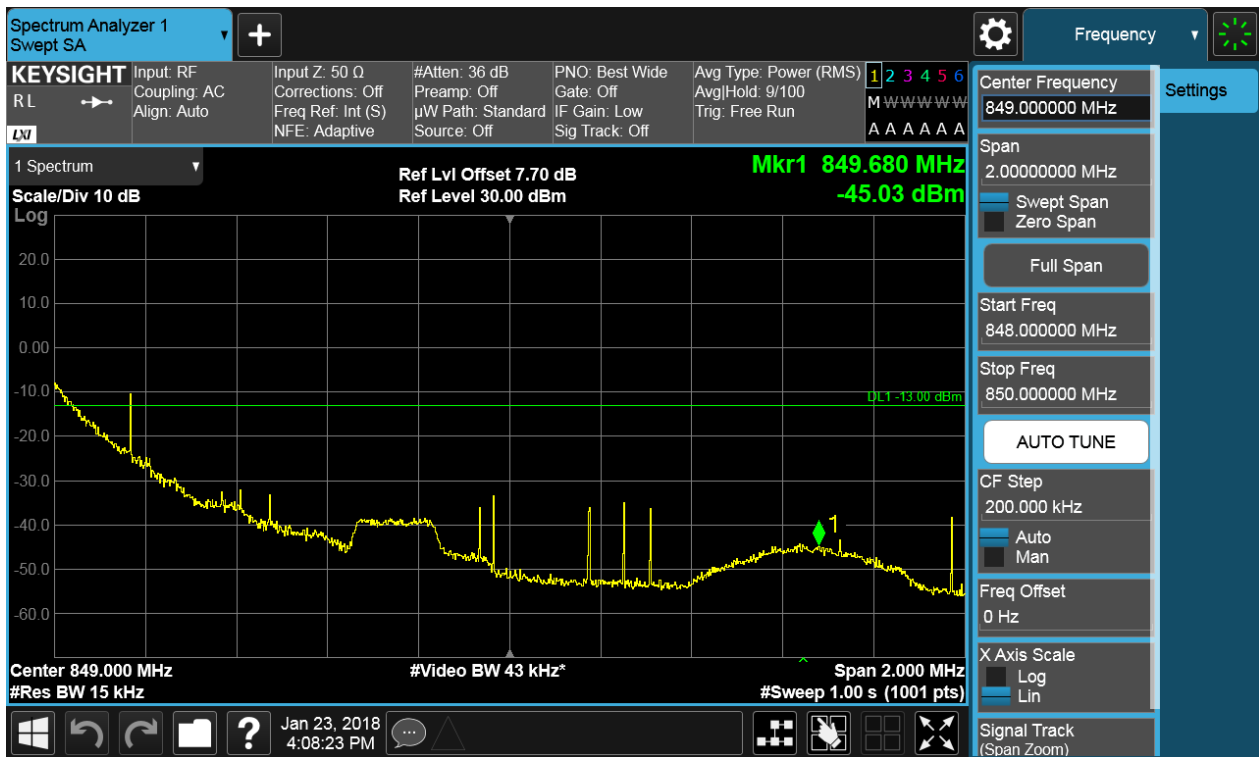
## 5.1.1.1.1.4 Test RB = RB6#0





## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0





## 5.1.1.1.1.2.2 Test RB = RB1#5







## 5.1.1.1.1.2.3 Test RB = RB3#2





## 5.1.1.1.2.4 Test RB = RB6#0

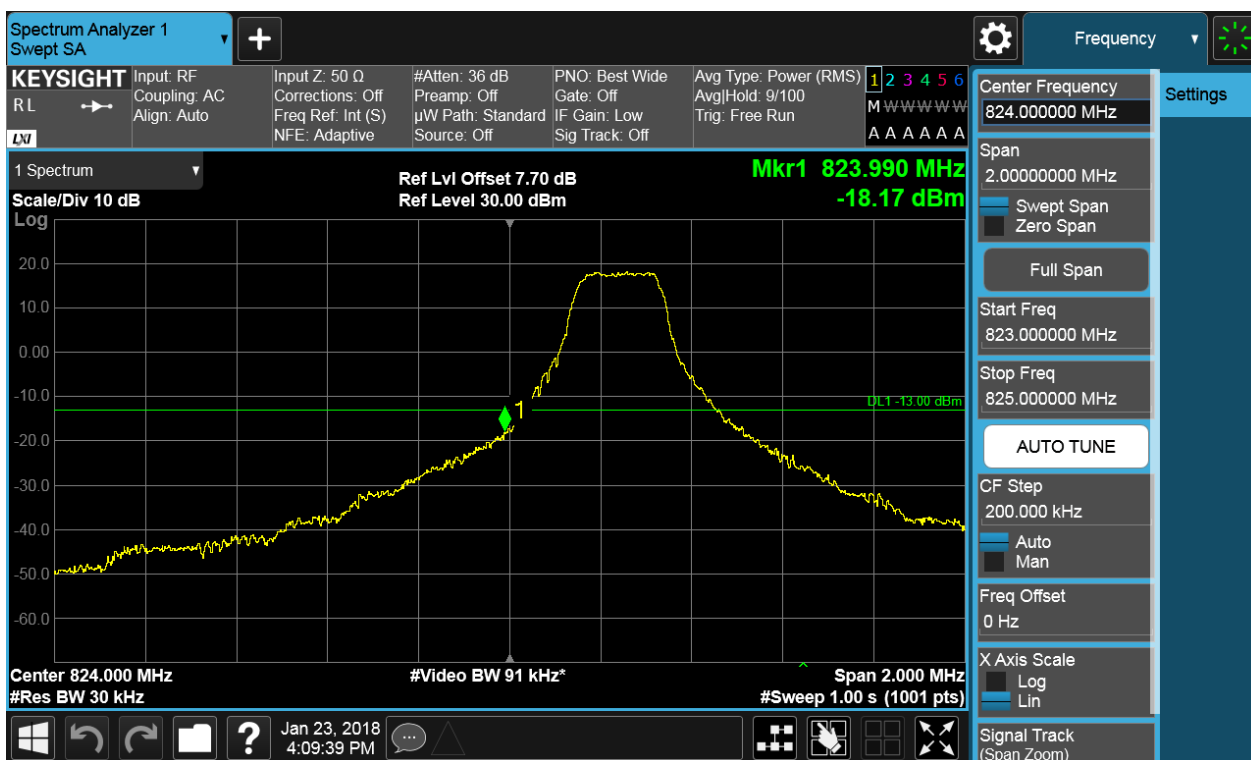




## 5.1.1.1.2 Test Bandwidth = 3

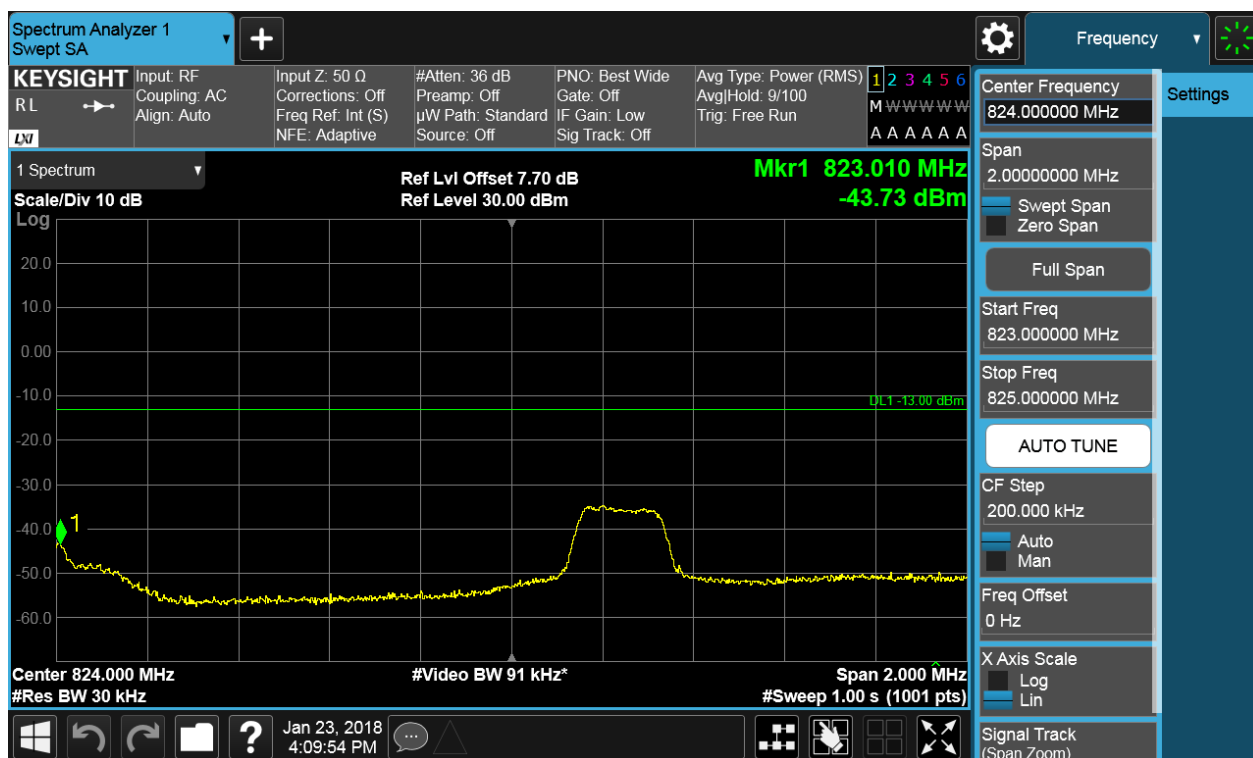
## 5.1.1.1.2.1 Test Channel = LCH

## 5.1.1.1.2.1.1 Test RB = RB1#0





## 5.1.1.1.2.1.2 Test RB = RB1#14

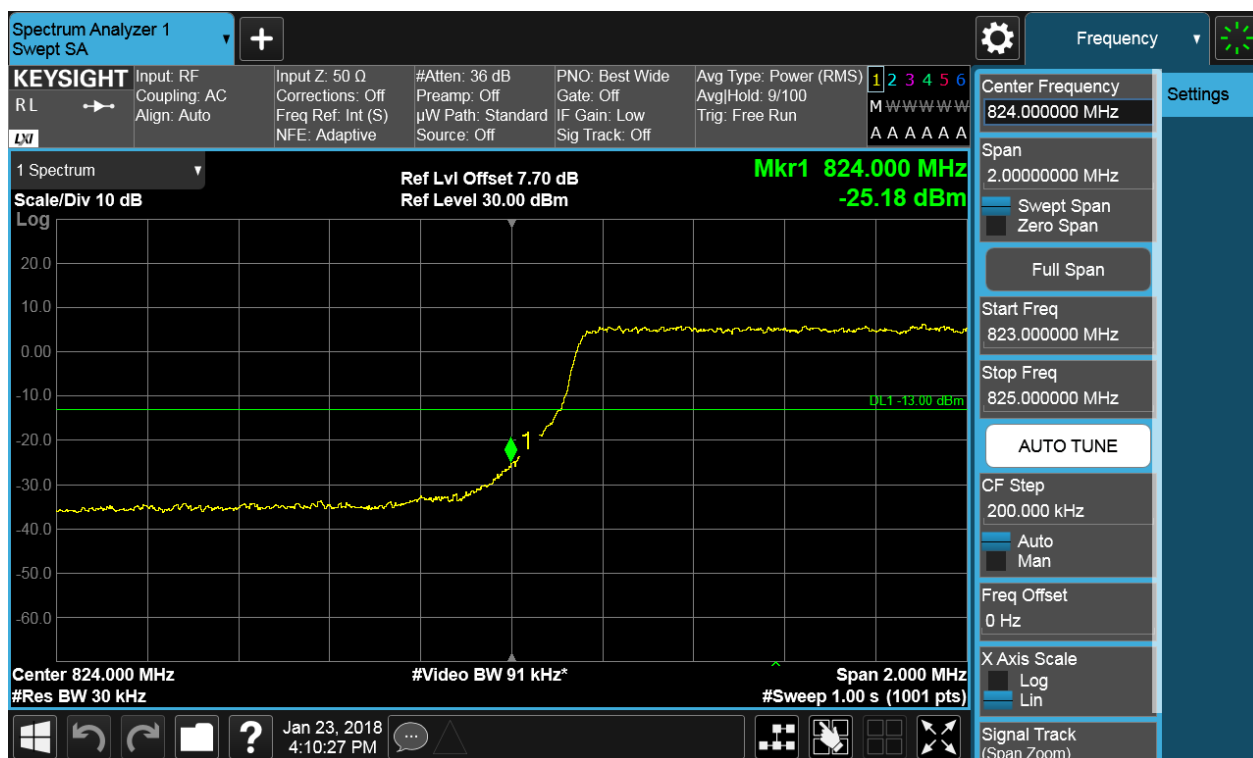


### 5.1.1.1.2.1.3 Test RB = RB8#4





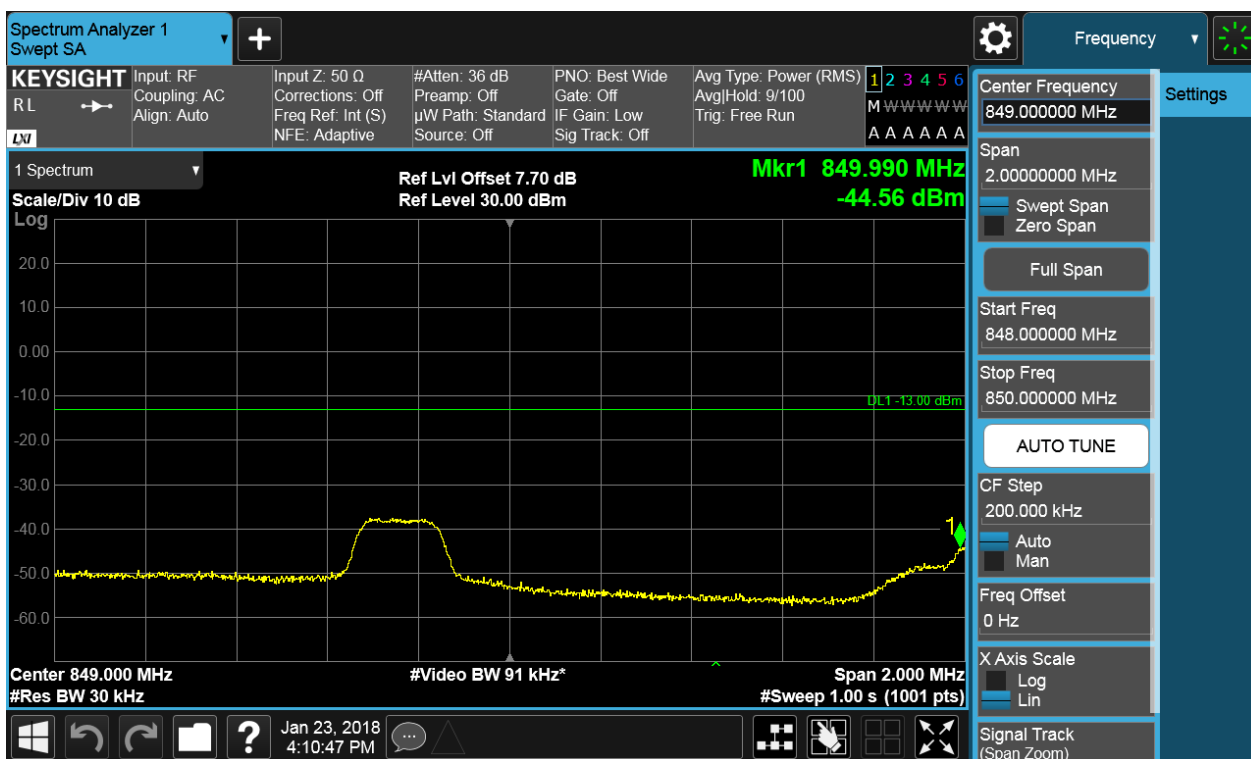
## 5.1.1.1.2.1.4 Test RB = RB15#0





## 5.1.1.1.2.2 Test Channel = HCH

## 5.1.1.1.2.2.1 Test RB = RB1#0





## 5.1.1.1.2.2.2 Test RB = RB1#14





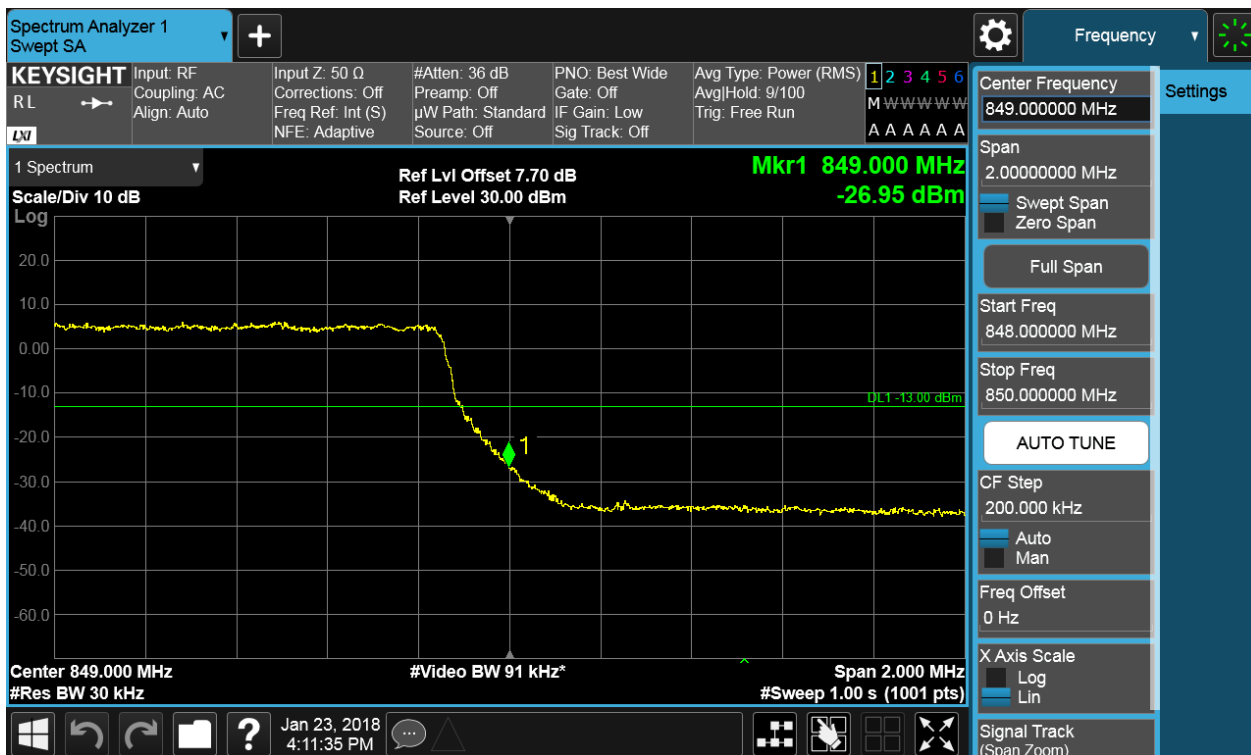


## 5.1.1.1.2.3 Test RB = RB8#4





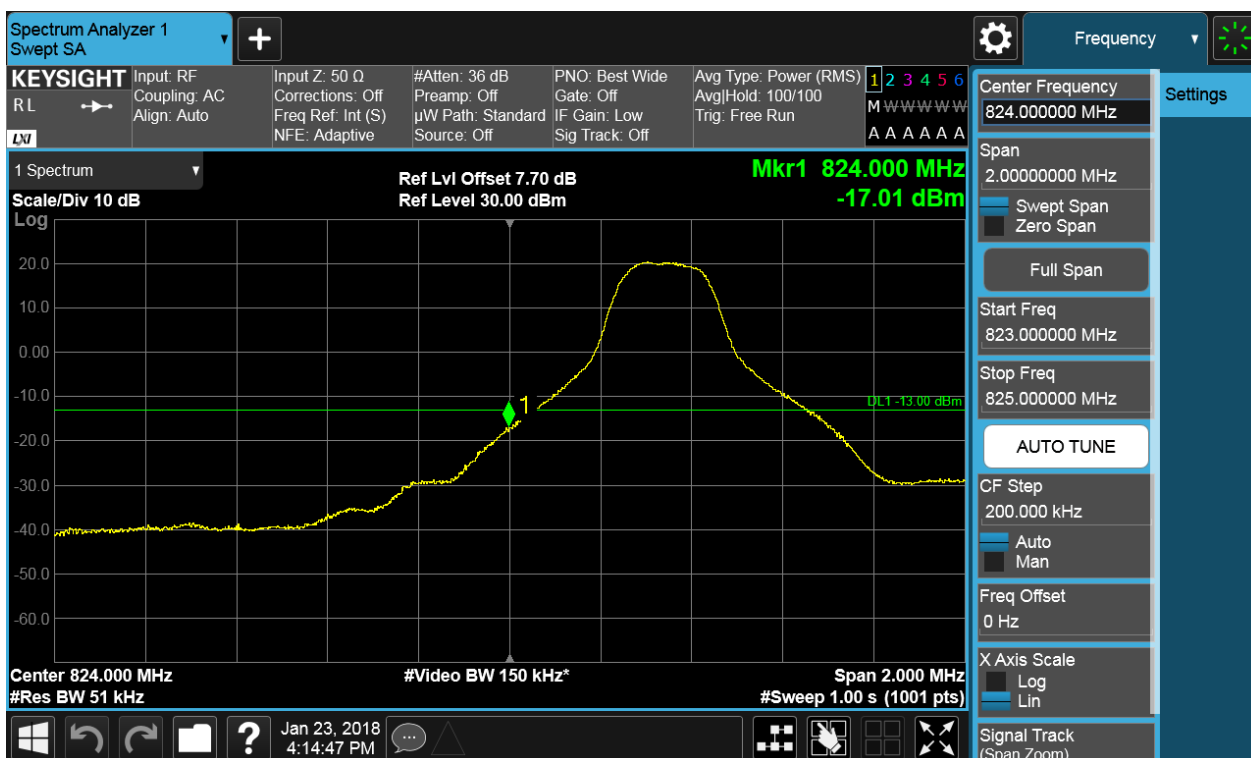
## 5.1.1.1.2.2.4 Test RB = RB15#0



### 5.1.1.1.3 Test Bandwidth = 5

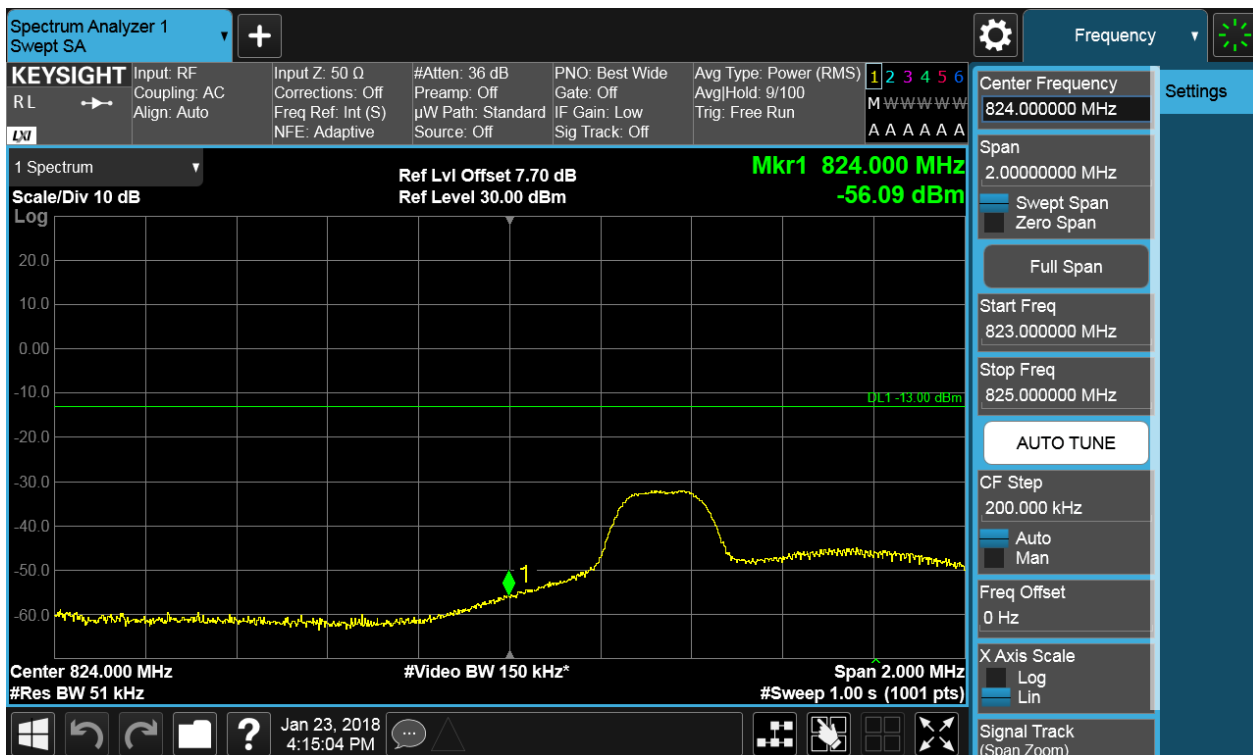
#### 5.1.1.1.3.1 Test Channel = LCH

#### 5.1.1.1.3.1.1 Test RB = RB1#0





## 5.1.1.1.3.1.2 Test RB = RB1#24



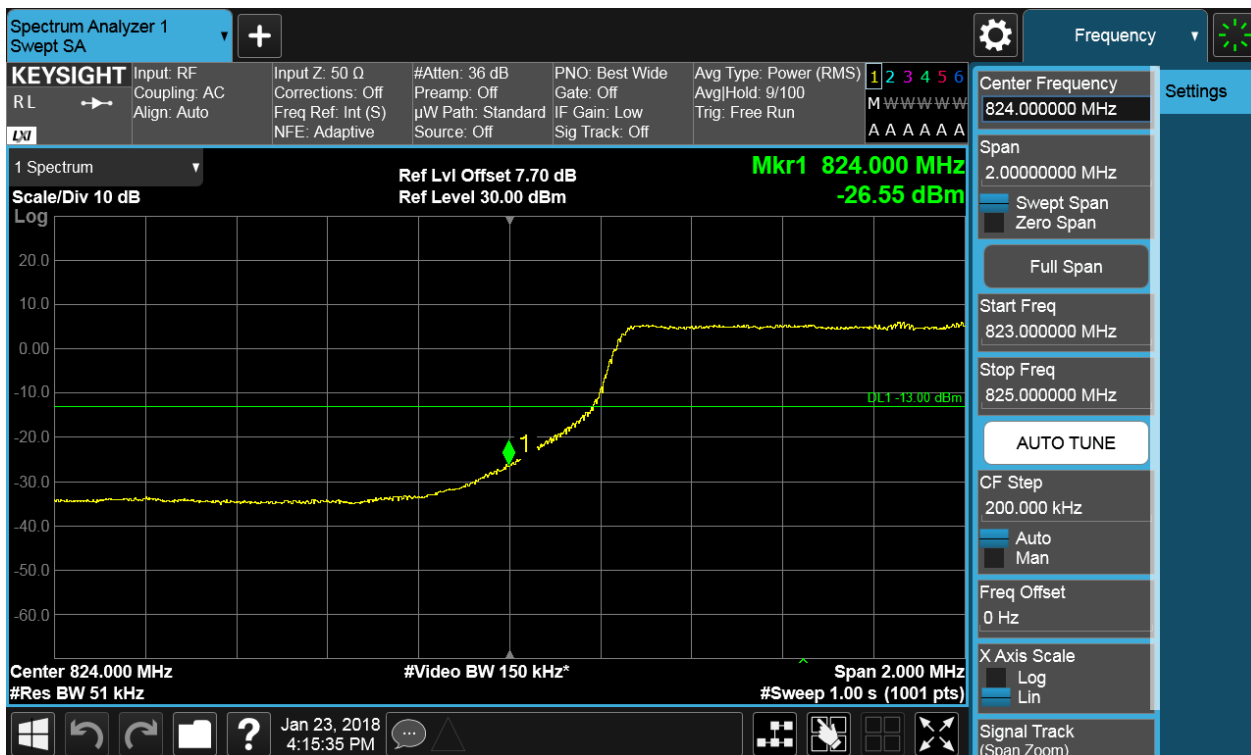


## 5.1.1.1.3.1.3 Test RB = RB12#6





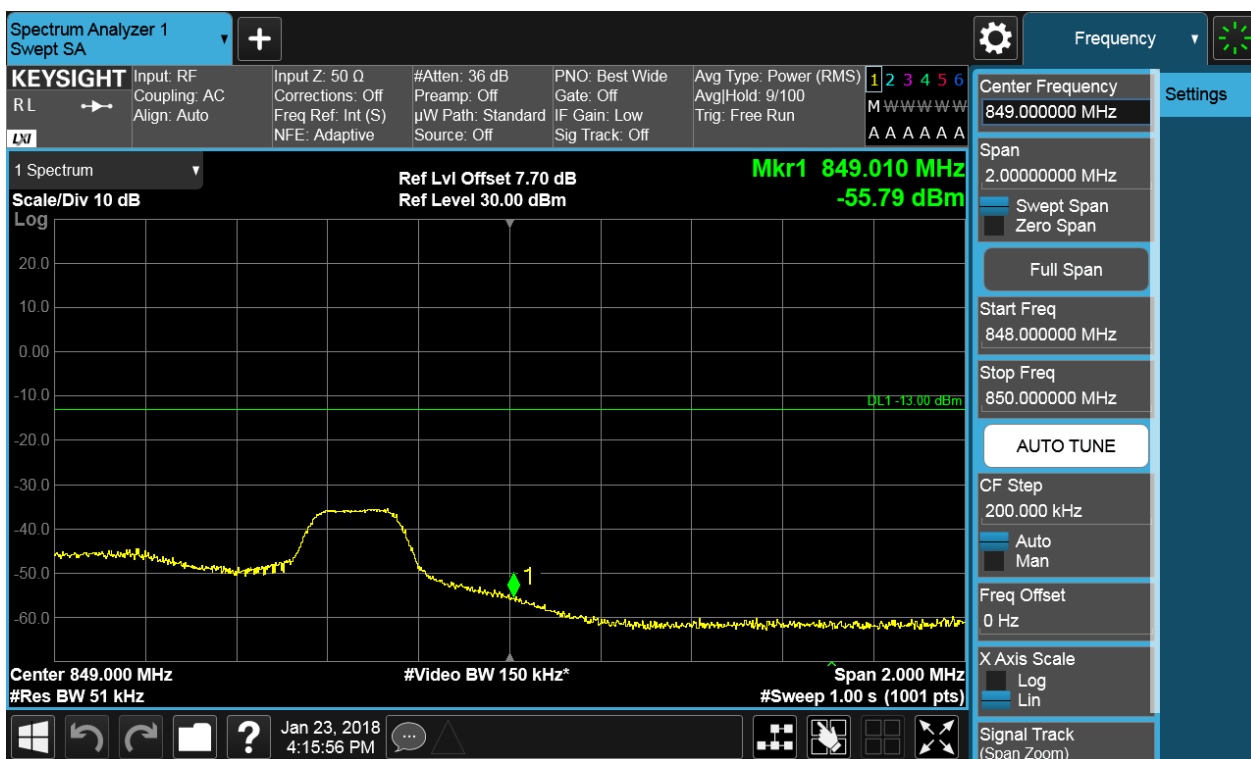
## 5.1.1.1.3.1.4 Test RB = RB25#0





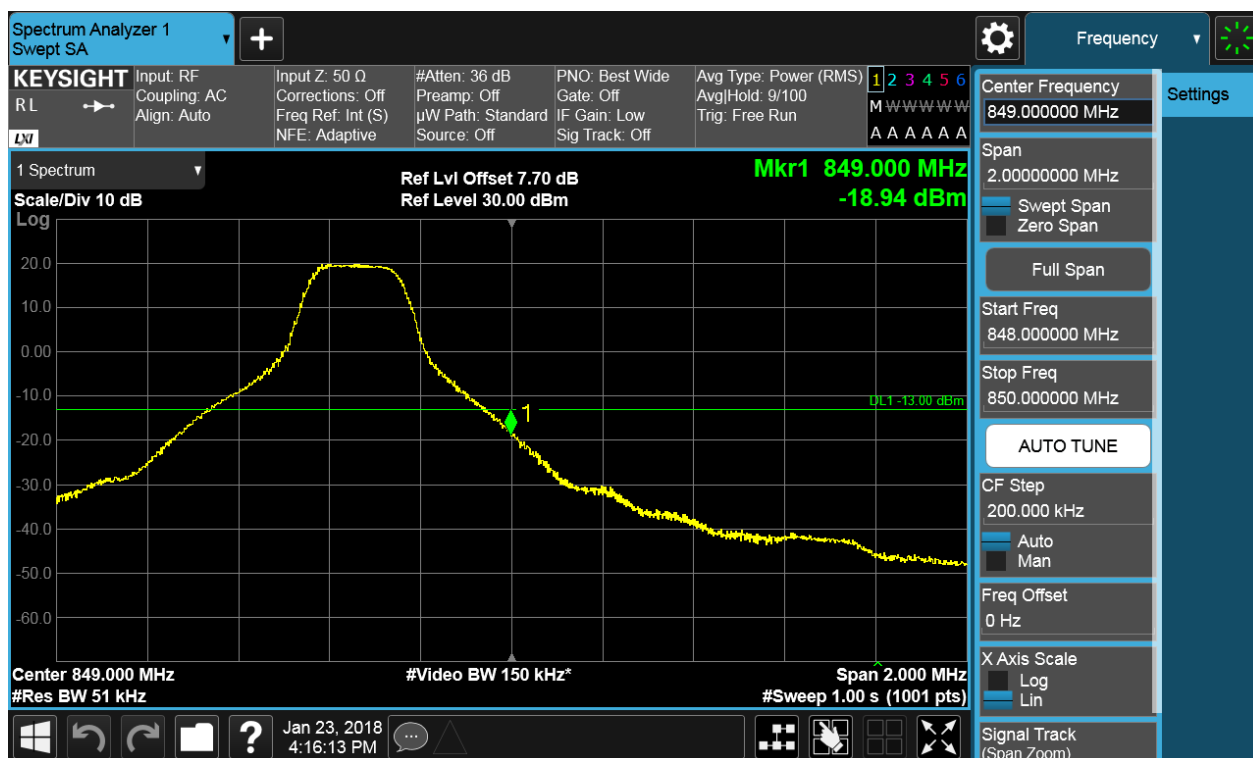
## 5.1.1.1.3.2 Test Channel = HCH

## 5.1.1.1.3.2.1 Test RB = RB1#0





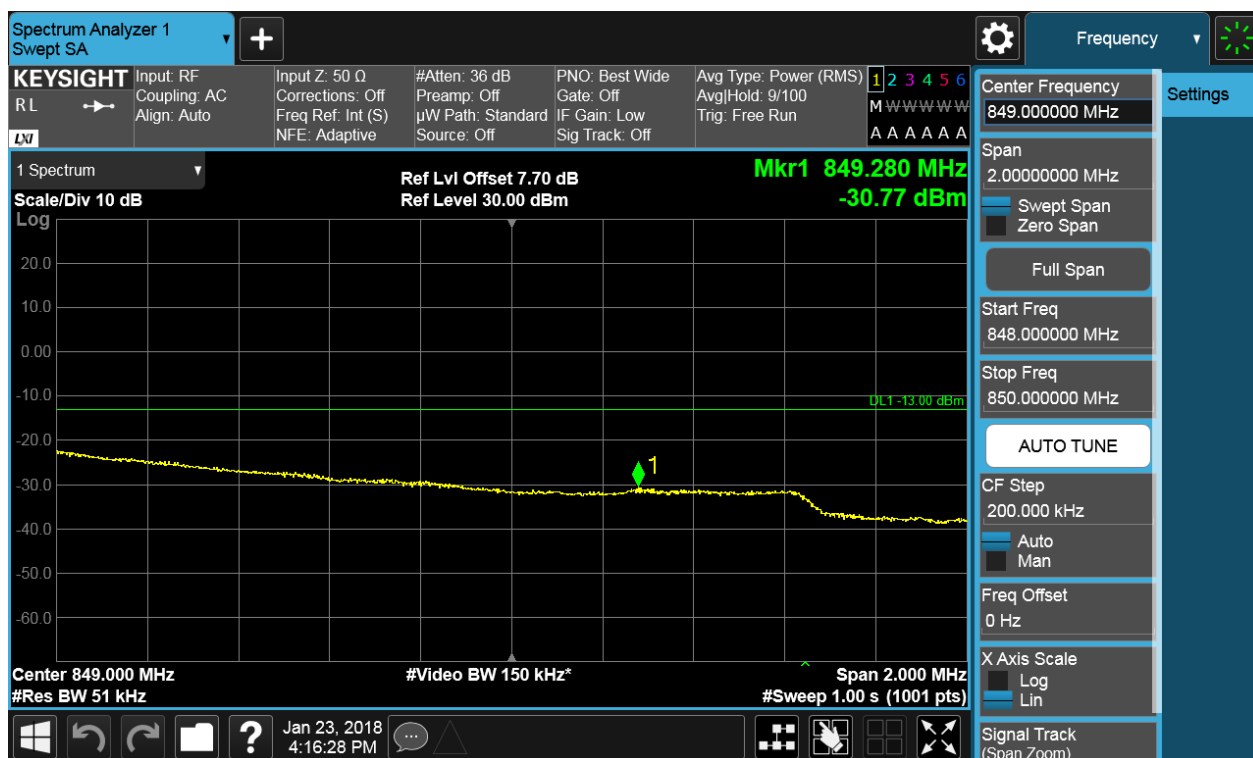
## 5.1.1.1.3.2.2 Test RB = RB1#24





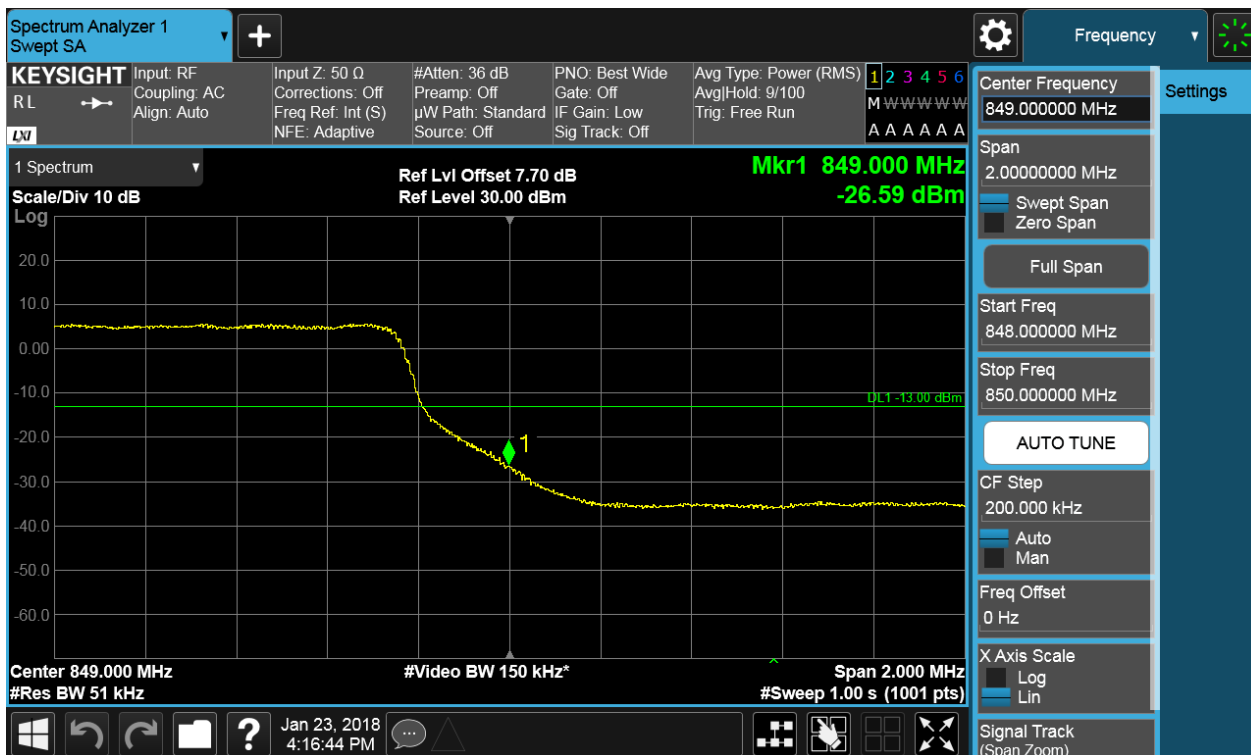


## 5.1.1.1.3.2.3 Test RB = RB12#6





## 5.1.1.1.3.2.4 Test RB = RB25#0

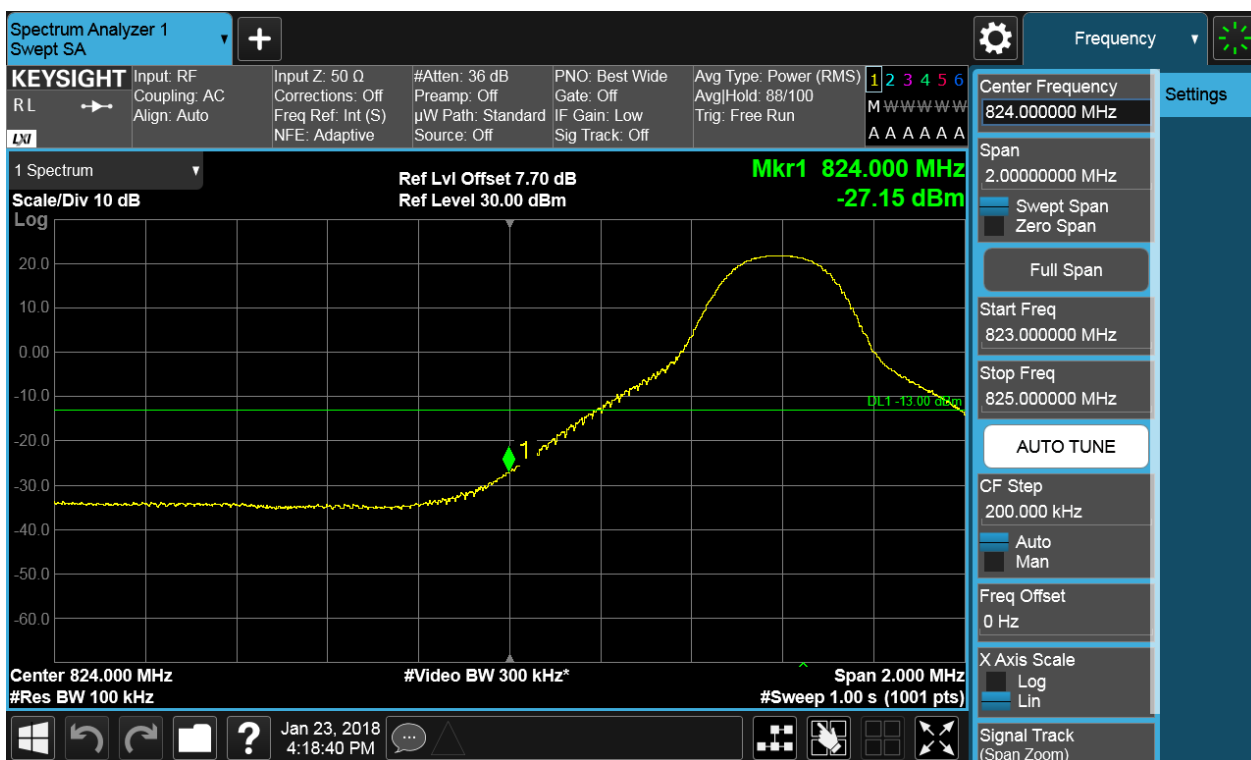




## 5.1.1.1.4 Test Bandwidth = 10

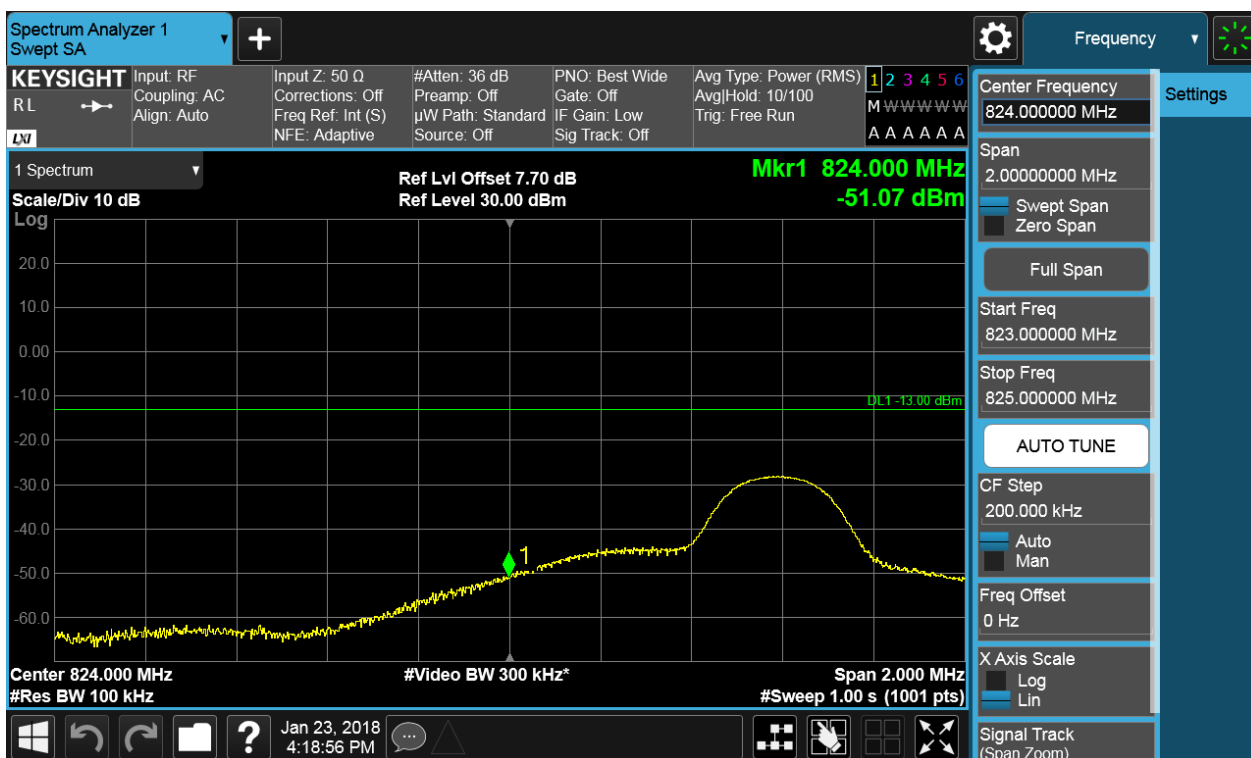
## 5.1.1.1.4.1 Test Channel = LCH

## 5.1.1.1.4.1.1 Test RB = RB1#0





## 5.1.1.1.4.1.2 Test RB = RB1#49



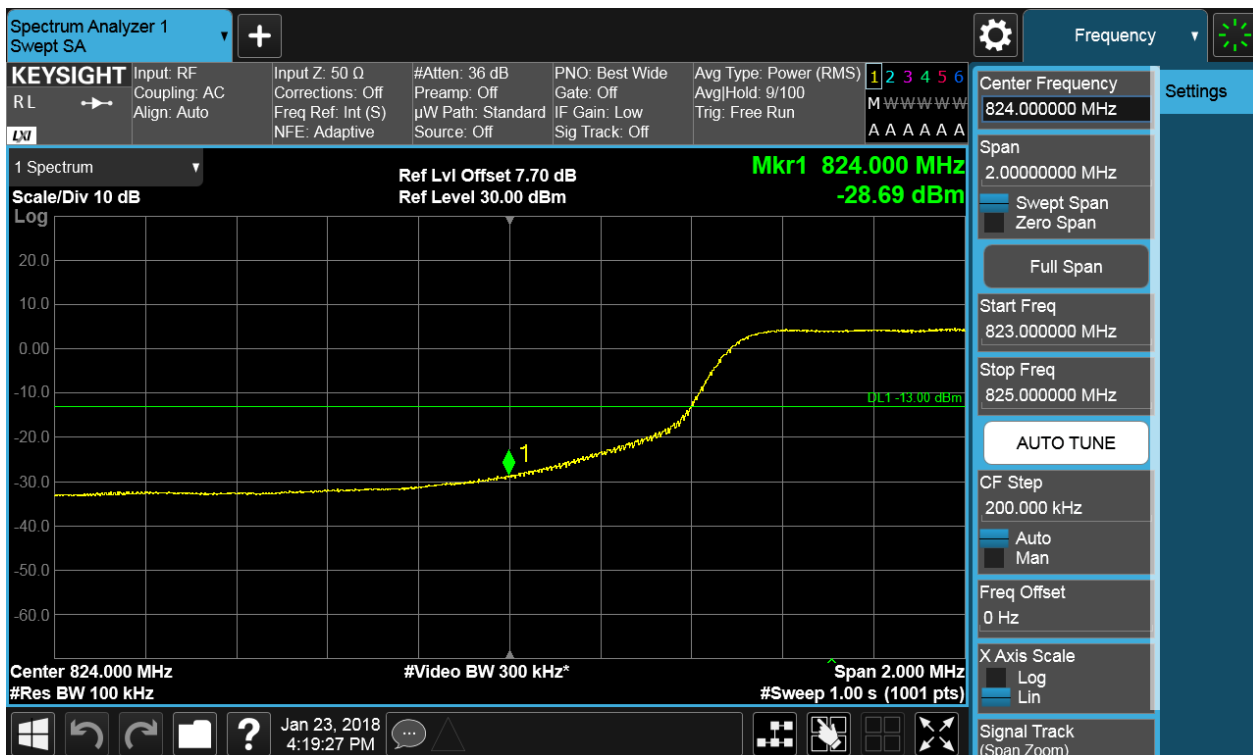


## 5.1.1.1.4.1.3 Test RB = RB25#13





## 5.1.1.1.4.1.4 Test RB = RB50#0





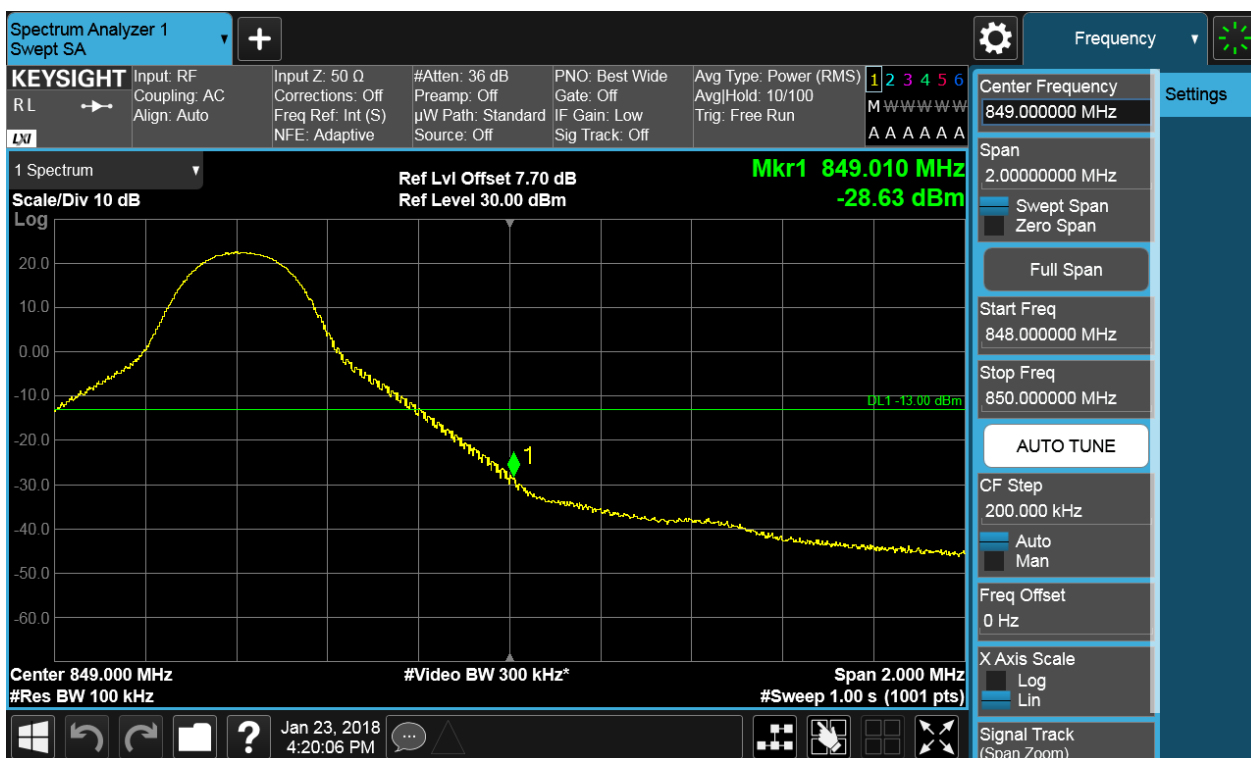
## 5.1.1.1.4.2 Test Channel = HCH

## 5.1.1.1.4.2.1 Test RB = RB1#0





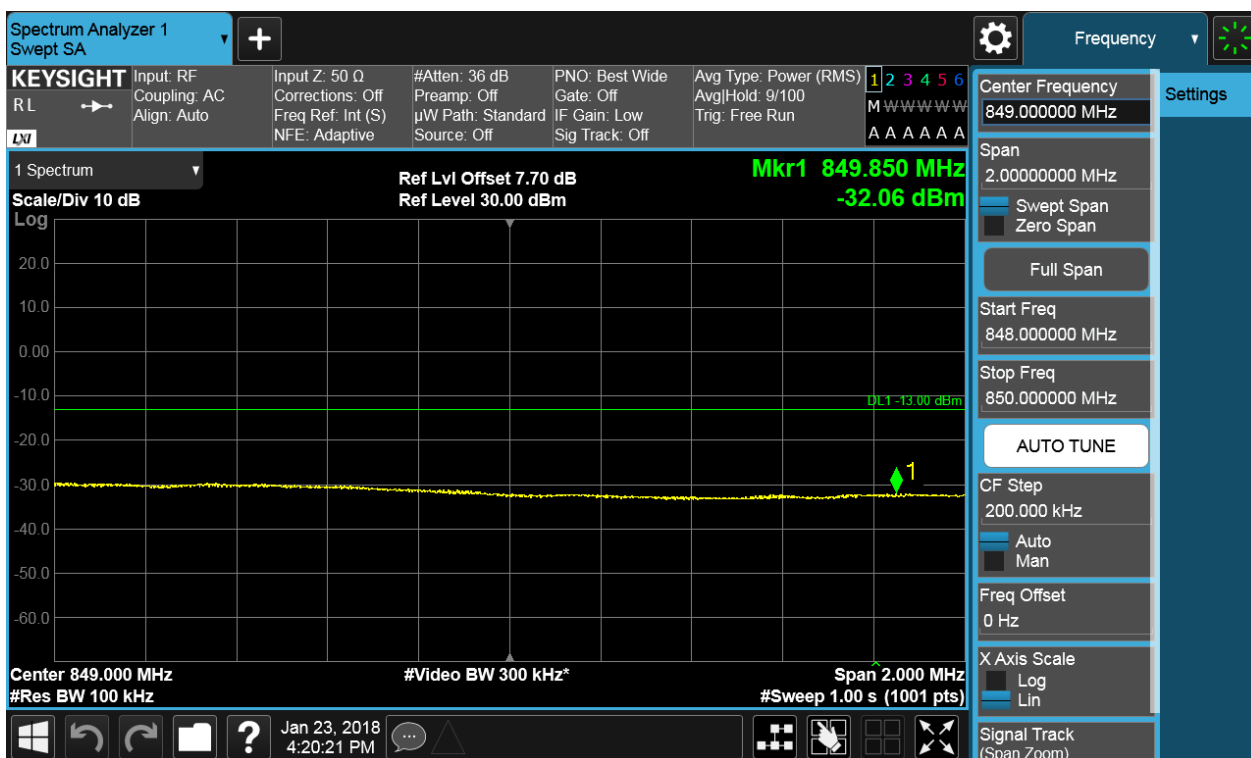
## 5.1.1.1.4.2.2 Test RB = RB1#49





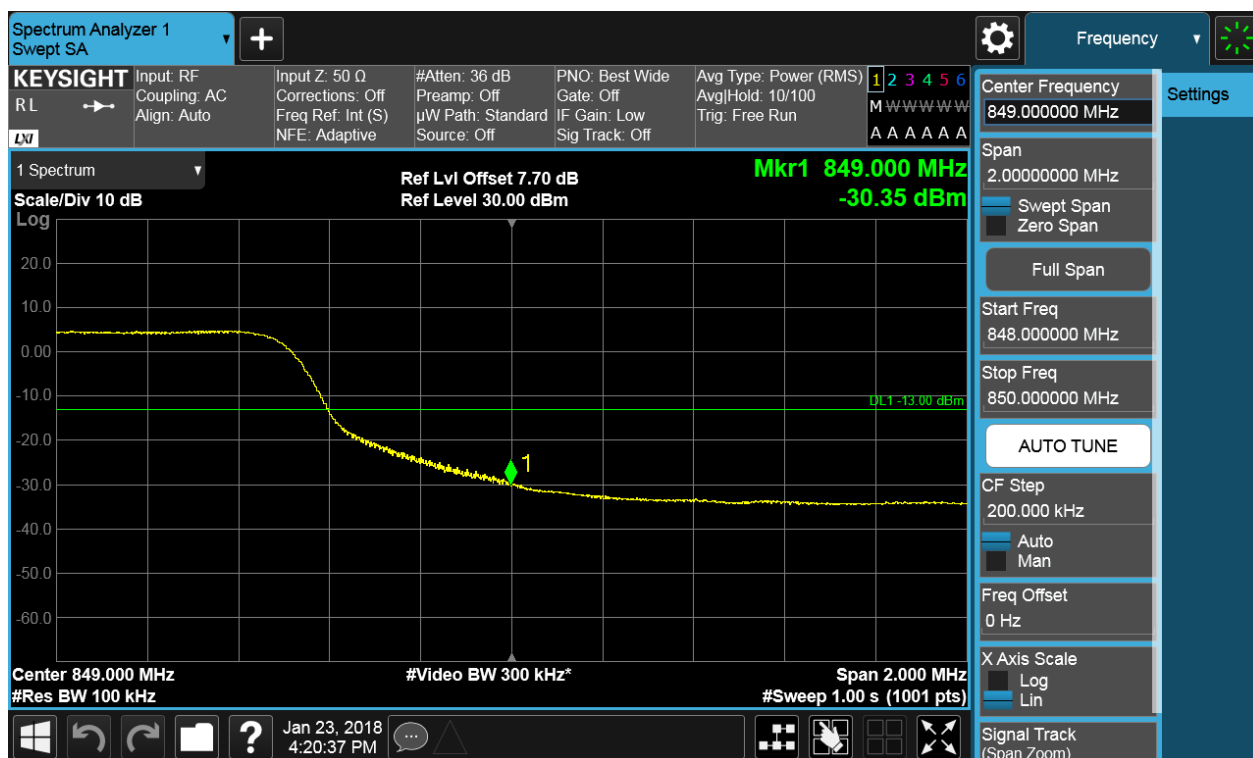


## 5.1.1.1.4.2.3 Test RB = RB25#13





## 5.1.1.1.4.2.4 Test RB = RB50#0



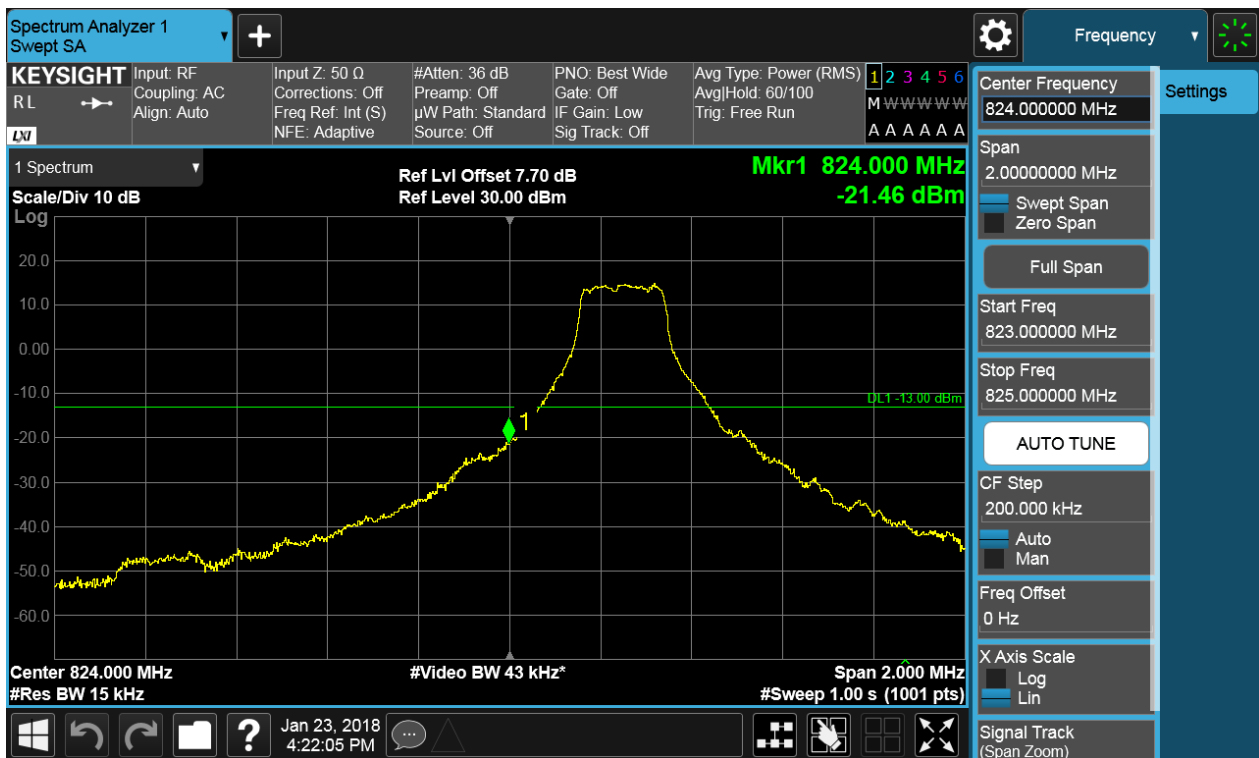


## 5.1.1.2 Test Mode = LTE/TM2

## 5.1.1.2.1 Test Bandwidth = 1.4

## 5.1.1.2.1.1 Test Channel = LCH

## 5.1.1.2.1.1.1 Test RB = RB1#0



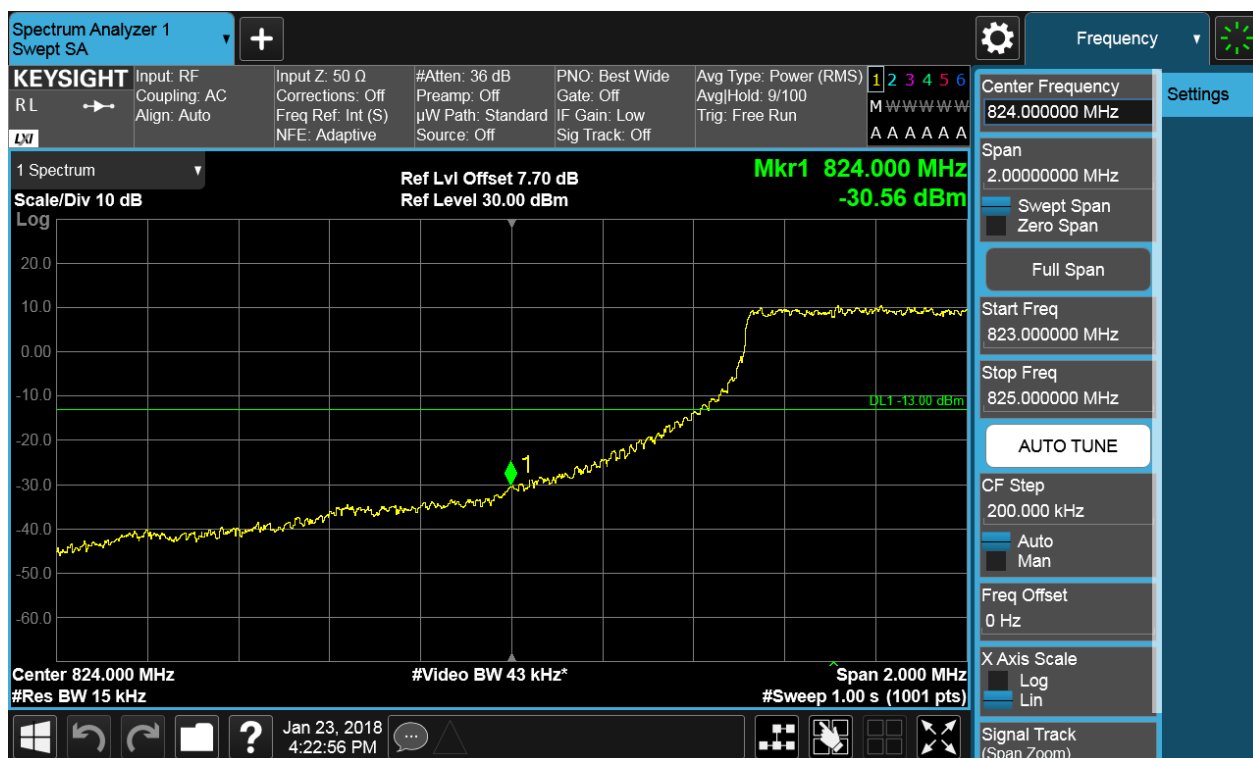


## 5.1.1.2.1.1.2 Test RB = RB1#5





## 5.1.1.2.1.1.3 Test RB = RB3#2





## 5.1.1.2.1.1.4 Test RB = RB6#0

